

# **SERVICE MANUAL**

# **AE-6B** chassis

| MODEL      | COMMANDER | DEST | CHASSIS NO. | MODEL      | COMMANDER | DEST | CHASSIS NO. |
|------------|-----------|------|-------------|------------|-----------|------|-------------|
| VV 20EVCOD |           |      |             | VV 20EVCOV |           |      |             |
| KV-32FX68B | RM-932    | FR   | SCC-Q83M-A  | KV-32FX68K | RM-932    | OIRT | SCC-Q82H-A  |
| KV-32FX68E | RM-932    | ESP  | SCC-Q81P-A  | KV-32FX68U | RM-932    | UK   | SCC-Q84M-A  |

# **FD** Trinitron





RM-932



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| +       | 2. Test 1/10de 2                                 | •••••• | <b>∠</b> ¬ |            | R DECONNECTE LE CAP DE'LANODE,        |      |

#### **CAUTION**

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

#### WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

#### ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

## ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ♠ SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

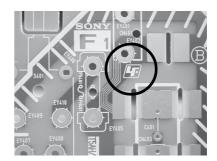
## **CAUTION**

#### **Lead Free Soldered Boards**

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [ see examples ]. The servicing of these boards requires special precautions to be taken as outlined below.



## example 1



example 2

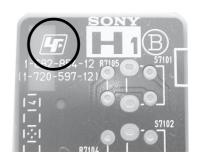


Table 1

| Board | Function               |
|-------|------------------------|
| С     | R,G,B Out              |
| F4    | Power Switch & Fuse    |
| H1    | LED & IR Receiver      |
| H2    | Front AV and Headphone |

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

| Partnumber   | Diameter | Remarks |
|--------------|----------|---------|
| 7-640-005-19 | 0.3mm    | 0.25Kg  |
| 7-640-005-20 | 0.4mm    | 0.50Kg  |
| 7-640-005-21 | 0.5mm    | 0.50Kg  |
| 7-640-005-22 | 0.6mm    | 0.25Kg  |
| 7-640-005-23 | 0.8mm    | 1.00Kg  |
| 7-640-005-24 | 1.0mm    | 1.00Kg  |
| 7-640-005-25 | 1.2mm    | 1.00Kg  |
| 7-640-005-26 | 1.6mm    | 1.00Kg  |

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to http://www.sony-training.com

| ITEM MODEL | Television System | Stereo System          | Channel Coverage   | Color System                                   |
|------------|-------------------|------------------------|--|--|
| В          | B/G/H, D/K, I, L  | GERMAN/NICAM<br>Stereo | VHF: E2-E12, R1-R12, S01-S03, F02-F10, B-Q<br>UHF: E21-E69, F21-F69, B21-B69, R21-R69<br>CABLE TV: S01-S20<br>HYPER: S21-S41 | PAL, SECAM<br>NTSC4.43, NTSC3.58<br>(VIDEO IN) |
| E          | B/G/H, D/K        | GERMAN/NICAM<br>Stereo | VHF : E2-E12, R1-R12, S01-S03<br>UHF : E21-E69, R21-R69<br>CABLE TV : S01-S20<br>HYPER : S21-S41                             | PAL, SECAM<br>NTSC4.43, NTSC3.58<br>(VIDEO IN) |
| К          | B/G/H, D/K        | GERMAN/NICAM<br>Stereo | VHF : E2-E12, R1-R12, S01-S03<br>UHF : E21-E69, R21-R69<br>CABLE TV : S01-S20<br>HYPER : S21-S41                             | PAL, SECAM<br>NTSC4.43, NTSC3.58<br>(VIDEO IN) |
| U          | I                 | NICAM<br>Stereo        | UHF : B21-B69  | PAL, SECAM<br>NTSC4.43, NTSC3.58<br>(VIDEO IN) |

|   | Flat Display FD Trinitron  | Sound output                             |   |  |  |
|---|--|--|---|--|--|
| Picture Tube  | Approx 82 cm (32 inches)<br>(Approx 76 cm picture measured   | Right and Left speaker                   | 2x20W (Music Power) 2x10W (RMS)   |  |  |
|   | diagonally)  | Sub Woofer                               | 1x30W (Music Power) 1x15W (RMS)   |  |  |
| Input/Output Terminals [  | REAR]  | General Specifications                   |   |  |  |
| 1: 21-pin Euro connector (CENELEC standard)                     | Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio                            | Power Requirements                       | 220 - 240V  |  |  |
| (OLIVELEO Sidilidai d)  | signals.   | Power Consumption                        | 130W  |  |  |
| 2: 21-pin Euro connector  | Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)  | Dimensions                               | Approx 883x567x562mm  |  |  |
|   |  | Weight                                   | Approx 64kg   |  |  |
| 3: 21-pin Euro connector  | Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (Monitor Out) | Supplied Accessories                     | RM-932 Remote Commander (1)<br>IEC designated R6 battery (2)                          |  |  |
| Phono Jacks   | Output Connectors variable for Audio Signals   | Other Features                           | 100 Hz picture, DNR, Auto Noise Reduction,<br>Teletext, Smartlink, BBE, Virtual Dolby |  |  |
| Input/Output Terminals [  | SIDE]  | Remote Control System : Infrared Control |   |  |  |
| Headphone jack  | stereo mini jack   |  |   |  |  |
| Audio inputs  | phono jacks  | Power requirements                       | 3V dc<br>2 batteries IEC designation  |  |  |
| Video inputs  | phono jacks  |  | R6 (size AA)  |  |  |
| S Video input   | 4 pin DIN  |  |   |  |  |
| Design and specifications are subject to change without notice. |  |  |   |  |  |

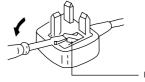
| Model Name<br>Item | KV-32FX68B | KV-32FX68E | KV-32FX68K | KV-32FX68U |
|--------------------|------------|------------|------------|------------|
| Pal Comb           | OFF        | OFF        | OFF        | OFF        |
| PIP                | OFF        | OFF        | OFF        | OFF        |
| RGB Priority       | ON         | ON         | ON         | ON         |
| Woofer Box         | ON         | ON         | ON         | ON         |
| Scart 1            | ON         | ON         | ON         | ON         |
| Scart 2            | ON         | ON         | ON         | ON         |
| Scart 3            | ON         | ON         | ON         | ON         |
| Side in (4)        | ON         | ON         | ON         | ON         |
| Projector          | OFF        | OFF        | OFF        | OFF        |
| Norm B/G           | ON         | ON         | ON         | OFF        |
| Norm I             | ON         | OFF        | OFF        | ON         |
| Norm D/K           | ON         | ON         | ON         | OFF        |
| Norm AUS           | OFF        | OFF        | OFF        | OFF        |
| Norm L             | ON         | OFF        | OFF        | OFF        |
| Norm SAT           | OFF        | OFF        | OFF        | OFF        |
| Norm M             | OFF        | OFF        | OFF        | OFF        |
| Teletext           | ON         | ON         | ON         | ON         |
| Nicam Stereo       | ON         | ON         | ON         | ON         |

### **WARNING (UK Models only)**

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** rating. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the \*\* mark.

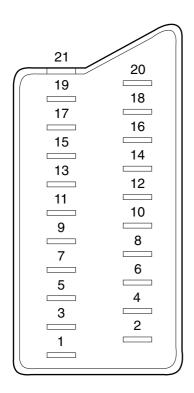
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE



| Pin No | 1 | 2 | 3 | Signal                          | Signal level  |
|--------|---|---|---|---------------------------------|---|
| 1      | 0 | 0 | 0 | Audio output B (right)          | Standard level : 0.5V rms<br>Output impedence : Less than 1kohm*  |
| 2      | 0 | 0 | 0 | Audio input B<br>(right)        | Standard level : 0.5V rms Output impedence : More than 10kohm*  |
| 3      | 0 | 0 | 0 | Audio output A (left)           | Standard level : 0.5V rms Output impedence : Less than 1kohm*   |
| 4      | 0 | 0 | 0 | Ground (audio)                  |   |
| 5      | 0 | 0 | 0 | Ground (blue)                   |   |
| 6      | 0 | 0 | 0 | Audio input A (left)            | Standard level : 0.5V rms Output impedence : More than 10kohm*  |
| 7      | 0 | • | • | Blue input                      | 0.7 +/- 3dB, 75 ohms positive   |
| 8      | 0 | 0 | 0 | Function select<br>(AV control) | High state (9.5-12V): Part mode<br>Low state (0-2V): TV mode<br>Input impedence: More than 10K ohms<br>Input capacitance: Less than 2nF |
| 9      | 0 | 0 | 0 | Ground (green)                  |   |
| 10     | 0 | 0 | 0 | Open                            |   |
| 11     | 0 | • | • | Green                           | Green signal : 0.7 +/- 3dB, 75 ohms, positive   |
| 12     | 0 | 0 | 0 | Open                            |   |
| 13     | 0 | 0 | 0 | Ground (red)                    |   |
| 14     | 0 | 0 | 0 | Ground (blanking)               |   |
| 45     | 0 | - | - | Red input                       | 0.7 +/- 3dB, 75 ohms, positive  |
| 15     | - | 0 | 0 | (S signal Chroma input)         | 0.3 +/- 3dB, 75 ohms, positive  |
| 16     | 0 | • | • | Blanking input<br>(Ys signal)   | High state (1-3V) Low state (0-0.4V)<br>Input impedence : 75 ohms   |
| 17     | 0 | 0 | 0 | Ground (video output)           |   |
| 18     | 0 | 0 | 0 | Ground (video input)            |   |
| 19     | 0 | 0 | 0 | Video output                    | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)  |
|        | 0 | - | - | Video input                     | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)  |
| 20     | - | 0 | 0 | Video input<br>Y (S signal)     | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)  |
| 21     | 0 | 0 | 0 | Common ground (plug, shield)    |   |

Connected

Not Connected (open) \* at 20Hz - 20kHz

#### **Rear Connection Panel**

#### **Front Connection Panel**





| S Video socket pin configuration |                    |   |  |  |  |  |
|----------------------------------|--------------------|---|--|--|--|--|
| Pin<br>No                        | Signal             | Signal Level  |  |  |  |  |
| 1                                | Ground             | -   |  |  |  |  |
| 2                                | Ground             | -   |  |  |  |  |
| 3                                | Y (S signal) input | 1V+/- 3dB 75ohm,<br>positive Sync. 0.3V<br>-3 +10dB |  |  |  |  |
| 4                                | C (S signal) input | 0.3V+/- 3dB<br>75ohm, positive<br>Sync.             |  |  |  |  |

## **AE-6B SELF DIAGNOSTIC SOFTWARE**

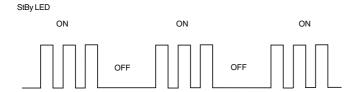
The identification of errors within the AE-6B chassis is triggered in one of two ways:-1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method.

Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

| Error Message                                   | LED<br>Code |
|---|-------------|
| No error  | 00          |
| Reserved  | 01          |
| OCP ( Over Current Protection )                 | 02          |
| Over Voltage Protection                         | 03          |
| No Vertical Sync                                | 04          |
| IKR Error at power on                           | 05          |
| IIC bus clock and/or data lines low at power on | 06          |
| NVM no IIC bus acknowledge at power on          | 07          |
| Horizontal Protection                           | 08          |
| Tuner no acknowledge at power on                | 09          |
| Sound Processor Error                           | 10          |
| Reserved  | 11          |
| Scanrate Error                                  | 12          |
| DAC Error                                       | 13          |
| Backend Error                                   | 14          |
| Dynamic Convergence Error                       | 15          |
| PIP Error                                       | 16          |

#### Flash Timing Example: e.g. error number 3



#### How to enter into Table 2

- 1. Turn on the main power switch of the TV set.
- Program Remote Commander for Operation in Service Mode. [See Page 22].
- 3. Press 'VIDEO' 'VIDEO' > 'MENU' on the Remote Commander.
- Using the Remote Commander, Scroll to the 'Error Menu' item using the down arrow key, then press the right arrow key.
- The following table will be displayed indicating the error count.

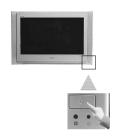
Table 2

| ERROR MENU   |          |          |    |
|--------------|----------|----------|----|
| E02          | OCP      | (0, 255) | 0  |
| E03          | OVP      | (0, 255) | 0  |
| E04          | VSYNC    | (0, 255) | 0  |
| E05          | IKR      | (0, 255) | 0  |
| E06          | IIC      | (0, 255) | 0  |
| E07          | NVM      | (0, 255) | 0  |
| E08          | HPROT    | (0, 255) | 0  |
| E09          | TUNER    | (0, 255) | 0  |
| E10          | SOUNDP   | (0, 255) |    |
| E11          | -        | (0, 255) | 0  |
| E12          | SCANRATE | (0, 255) | 0  |
| E13          | DAC      | (0, 255) | 0  |
| E14          | BACKEND  | (0, 255) | 0  |
| E15          | DYN CON  | (0, 255) | 0  |
| E16          | PIP      | (0, 255) | 0  |
|              |          |          |    |
| WORKING TIME |          |          |    |
| HOURS        |          |          | 14 |
| MINUTES      |          |          | 7  |

**Note:** To clear the error count data press '80' on the Remote commander.

## Switching On the TV and Automatically Tuning

The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to: 1) choose the language of the menu screen, 2) adjust the picture slant, 3) search and store all available channels (TV Broadcast) and 4) change the order in which the channels (TV Broadcast) appear on the screen. However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the (Set Up menu) or by pressing the Auto Start Up Button on the TV set.



Connect the TV plug to the mains socket (220-240V AC,

The first time that the TV set is connected, it is usually turned on. If the TV is off, press the **O** on/off button on the TV set to turn on the TV.

The first time you switch on the TV, a Language menu displays automatically on the TV screen.



Press the ◆ or ◆ button on the remote control to select the language, then press the OK button to confirm your selection. From now on all the menus will appear in the selected language.



The Country menu appears automatically on the TV screen. Press the  $\bullet$  or  $\spadesuit$  button to select the country in which you will operate the TV set, then press the OK button to confirm your selection.



- If the country in which you want to use the TV set does not appear in the list, select '-' instead of a country.
- In order to avoid wrong teletext characters for Cyrillic languages we recommend to select Russia country in the case that your own country does not appear in the list.



Because of the earth's magnetism, the picture might slant. The Picture Rotation menu allows you to correct the picture slant if it is necessary.

- If it is not necessary, press ◆ or ◆ to select Not necessary and press OK.
- If it is necessary, press ◆ or ◆ to select **Adjust** now, then press **OK** and correct any slant of the picture between -5 and +5 by pressing ◆ or ◆. Finally press **OK** to store.



5 The Auto Tuning menu appears on the screen. Press the OK button to select Yes.



No channel found Please connect aeria

Confirm

(OK)

The TV starts to automatically search and store all available broadcast channels for you.



This procedure could take some minutes. Please be patient and do not press any buttons, otherwise the automatic tuning will not be completed.



In some countries the TV Broadcaster installs the channels automatically (ACI system). In this case, the TV Broadcaster sends a menu in which you can select your city by pressing the  $\bullet$  or  $\bullet$  button and **OK** to store the channels.



If no channels were found during the auto tuning process then a new menu appears automatically on the screen asking you to connect the aerial. Please connect the aerial (see page 6) and press **OK**. The auto tuning process will start again.









- If you wish to keep the broadcast channels in the tuned order, go to step 8.
- If you wish to store the channels in a different order:
  - 1 Press the **♦** or **♦** button to select the programme number with the channel (TV Broadcast) you wishto rearrange, then press the button.
  - 2 Press the ◆ or ◆ button to select the new programme number position for your selected channel (TV Broadcast), then press .
  - **3** Repeat steps b)1 and b)2 if you wish to change the order of the other channels.



Press the MENU button to remove the menu from the



Your TV is now ready for use

## Introducing and Using the Menu System

Your TV uses an on-screen menu system to guide you through the operations. Use the following buttons on the remote control to operate the menu system:



Press the MENU button to switch the first level menu on.



- 2 •To highlight the desired menu or option, press ◆ or ◆.
  - •To enter to the selected menu or option, press .
  - •To return to the last menu or option, press 4.
  - •To alter settings of your selected option, press ◆ / ◆ / ♦ or ♦
  - •To confirm and store your selection, press OK.



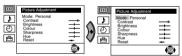
Press the MENU button to remove the menu from the screen.

#### Menu Guide

Level 1

Level 2

Level 3 / Function



#### PICTURE ADJUSTMENT

The "Picture Adjustment" menu allows you to alter the picture settings.

To do this: after selecting the item you want to alter press  $\rightarrow$ , then press repeatedly  $\sqrt{+/+}$  or  $\rightarrow$  to adjust it and finally press **OK** to store the new adjustment.

This menu also allows you to customise the picture mode based on the programme you are

- ◆ Live (for live broadcast programmes, DVD and Digital Set Top Box receivers).
- Personal (for individual settings).
- ◆ Movie (for films).

\*Brightness, Colour and Sharpness can only be altered if "Personal" mode is selected.

- •Hue is only available for NTSC colour signal (e.g.: USA video tapes).
- •Select Reset and press OK to reset the picture to the factory preset levels.

Level 3 / Function Level 1 Level 2



#### SOUND ADJUSTMENT

The "Sound Adjustment" menu allows you to alter the sound settings.

To do this: after selecting the item you want to alter. press  $\blacktriangleright$ . Then press repeatedly  $\blacktriangledown / \spadesuit / \spadesuit$  or  $\blacktriangleright$  to adjust it and finally press **OK** to store the new adjustment.

Effect

**◆** Natural: **◆** Dynamic:

Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"\*.
"BBE High Definition Sound system" intensifies clarity and presence of sound for better intelligibility

and musical realism.

◆ Dolby\*\*Virtual: Simulates the sound effect of "Dolby Surround Pro

Logic".

**◆** Off: Flat response.

Treble Balance

→ More **♦**Less **♦** Less More **♦** Left Right

Resets the sound to the factory preset levels.

**Dual Sound** 

Bass

Reset

- For a stereo broadcast:
  - ◆ Mono. **◆** Stereo.
- For a bilingual broadcast:
  - **◆ Mono** (for mono channel if available).
  - **◆** A (for channel 1).
  - **◆ B** (for channel 2).

Auto Volume 🌢

- ◆ Off: Volume level changes according to the broadcast signal.
- ◆ On: Volume level of the channels will stay the same, independent of the broadcast signal (e.g. in the case of advertisements).
- If you are listening to the TV through headphones, the "Effect" option will automatically be switched to "Off".
- If you select "Dolby Virtual" on the "Effect" option, the "Auto Volume" option will automatically be switched to "Off" and vice versa.



\* The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.



- \*\* This TV has been designed to create the "Dolby Surround" sound effect by simulating the sound of four speakers with two speakers, when the broadcast audio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to "Connecting to external audio Equipment" on page 18).
- \*\* Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

#### MANUAL PROGRAMME PRESET

The "Manual Programme Preset" option in the "Set Up" menu allows you to:

- a) Preset channels or the VCR channel one by one to the programme order of your choice. To do this:
- i After selecting the "Manual Programme Preset" option, press ♦ then with Programme option highlighted press ♦ . Press ♦ or ♦ to select on which programme number you want to preset the channel (for VCR, select programme number "0"). Then press ♦.
- ii The following option is only available depending on the country you have selected in the "Language/Country" menu.

After selecting the **System** option, press  $\blacklozenge$ . Then press  $\blacktriangledown$  or  $\spadesuit$  to select the TV Broadcast system (**B**/**G** for western European countries, **L** for France or **I** for United Kingdom). Then press  $\blacklozenge$ .

iii After selecting the Channel option, press → . Then press → or → to select the channel tuning ("C" for terrestrial channel or "S" for cable channels). Next press → . After that, press the number buttons to enter directly the channel number of the TV broadcast or the channel of the VCR signal. If you do not know the channel number, press → or → to search for it. When you tune the desired channel, press OK twice to store.
Repeat all the above steps to tune and store more channels.

- b) Label a channel using up to five characters. To do this: Highlighting the Programme option, press the PROG +/- button to select the programme number with the channel you wish to name. When the programme you want to name appears on the screen, select the Label option and press → . Next press → or → to select a letter, number or "-" for a blank. Press → to confirm this character. Select the other four characters in the same way. After selecting all the characters, press OK twice to store.
- C) Fine tune the broadcast reception. Normally the automatic fine tuning (AFT) will give the best possible picture, however you can manually fine tune the TV to obtain a better picture reception in case the picture is distorted.
  To do this: while watching the channel (TV Broadcast) you wish to fine tune, select the AFT option and press ◆ . Next press ◆ or ◆ to adjust the fine tuning between -15 and +15. Finally press OK twice to store.
- d) Skip any unwanted programme numbers when they are selected with the PROG +/- buttons. To do this: Highlighting the Programme option, press the PROG +/- button to select the programme number you want to skip. When the programme you want to skip appears on the screen, select the Skip option and press → . Next press → or → to select Yes. Finally press OK twice to confirm and store.

To cancel this function afterwards, select "No" instead of "Yes" in the step above.

**e)** View and record scrambled channels when using a decoder connected to Scart ③3/-33 directly or through a VCR.

This option is only available depending on the country you have selected in the 'Language/Country' menu.

To do this: select the **Decoder** option and press  $\spadesuit$  . Next press  $\spadesuit$  or  $\spadesuit$  to select **On**. Finally press **OK** twice to confirm and store.

To cancel this function afterwards, select "Off" instead of "On" in the step above.

#### **Teletext**



Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

TELETEXT



Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.

#### To switch on Teletext:

After selecting the TV channel which carries the teletext service you wish to view, press 

.

#### To select a Teletext page:

Input 3 digits for the page number, using the numbered buttons.

- If you make a mistake, retype the correct page number.
- If the counter on the screen continues searching, it is because the page is not available. If this is the
  case, input another page number.

#### To access the next or preceding page:

Press  $PROG + (\blacksquare)$  or  $PROG - (\blacksquare)$ .

#### To superimpose teletext on to the TV:

Whilst you are viewing teletext, press . Press it again to cancel teletext mode.

#### To freeze a teletext page:

Press ①/②. Press it again to cancel the freeze.

#### To reveal concealed information (e.g. answer to a guiz):

Press (+)/?. Press it again to conceal the information.

#### To select a sub page:

A teletext page may consist of several sub pages. In this case the page number that appears on the upper left corner will change from white to green and one or more arrows will appear next to the page number. Repeatedly press the  $\P$  or  $\P$  buttons on the remote control to watch the desired sub page.

#### To Switch Off Teletext:

Press .

#### **Fastext**



Fastext service lets you access Teletext pages with one button push.

When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice.



# Remote Control Configuration for VCR/DVD In its default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs

In its default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models), please complete the following steps:

- Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On
  those brands that have more than one code, enter the first code number.
- Sony will endeavour to update the software according to market changes. Therefore, please refer to
  the code table included with the remote control for the latest code set.
- 1 Press the Media Selector button on the remote control repeatedly until the required green light (VCR or DVD) is lit.
  - If Media Selector is on TV position, code numbers will not be stored.
- **2** Efore the green light goes out, press and hold the yellow button for approximately 6 seconds until the green light starts flashing.
- Whilst the green light is flashing, enter all three digits of the code for your brand of VCR or DVD using the number buttons on the remote control.



If your selected code is entered correctly, all three green lights will be lit momentarily.

4 Turn on your VCR or DVD and check that the main functions work.



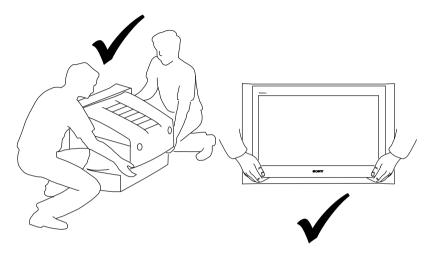
- If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
- Your brand codes may be lost if weak batteries are not replaced within a few minutes. To reset your brand of DVD or VCR please repeat the above steps. A small label is added inside the battery door to allow you to record your brand codes.
- Not all brands are covered and not all models of every brand may be covered.

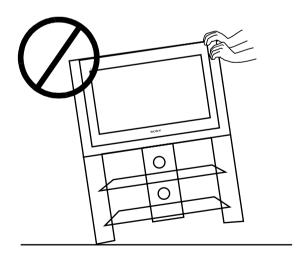


| VC   | R Brand List  | DVD Brand List  |   |  |
|--|---|---|---|--|
| Brand  | Code  | Brand   | Code  |  |
| SONY (VHS) SONY (BETA) SONY (DV) AIWA AKAI DAEWOO GRUNDIG HITACHI JVC  LG LOEWE MATSUI ORION PANASONIC PHILIPS | 301, 302, 303, 308, 309<br>303, 307, 310<br>304, 305, 306<br>325, 331, 351<br>326, 329, 330<br>342, 343<br>358, 355, 360, 361, 320, 351<br>327, 333, 334<br>314, 315, 322, 344, 352, 353, 354, 348, 349<br>332, 338<br>358, 355, 360, 361, 320, 351<br>356, 357<br>328<br>321, 323<br>311, 312, 313, 316, 317, 318, | SONY AIWA DENON GRUNDIG HITACHI JVC KENWOOD LG LOEWE MATSUI ONKYO PANASONIC PHILIPS PIONEER SAMSUNG SANYO | 001<br>021<br>018, 027, 020, 002<br>009, 028, 023, 024, 016, 003<br>025, 026, 015, 004<br>006, 017<br>008<br>015, 014<br>009, 028, 023, 024, 016, 003<br>013, 016<br>022<br>018, 027, 020, 002<br>009, 028, 023, 024, 016, 003<br>004<br>011, 014 |  |
| SAMSUNG<br>SANYO<br>SHARP<br>THOMSON<br>TOSHIBA  | 358, 359<br>339, 340, 341, 345<br>335, 336<br>324<br>319, 350<br>337  | SHARP<br>THOMSON<br>TOSHIBA<br>YAMAHA   | 019, 027<br>012<br>003<br>018, 027, 020, 002  |  |

#### Lifting the TV Set

4-094-189-**11** 





http://www.sony.net/
Sony Corporation Printed in UK



Recyclable

### **Specifications**

TV system: Side Terminals **ூ4** S Video input – 4 pin DIN video input – phono jack audio input – phono jacks Colour system: headphones jack SECAM, NTSC 3.58, 4.43 (only Video In) Sound Output: Channel Coverage: 2 x 20 W (music power) I: UHF B21-B69 2 x 10 W (RMS) Woofer: Picture Tube: 30 W (music power) 15 W (RMS) Flat Display FD Trinitron WIDE: •KV-32FX68U: 32" (approx. 82 cm. measured diagonally) **Power Consumption:** •KV-28FX68U: 28" (approx. 71 cm. KV-32FX68U: 130 W measured diagonally) KV-28FX68U: 125 W Standby Power Consumption: Rear Terminals

→ 1/- 1 21-pin scart connector (CENELEC standard) Dimensions (w x h x d): KV-32FX68U: approx. 882 x 567 x 562 mm. KV-28FX68U: approx. 797 x 519 x 523 mm. including audio/video input, RGB input, TV audio/ video output. →2/-—2 21-pin Scart connector (CENELEC standard) KV-32FX68U: approx. 65 Kg. including audio / video KV-28FX68U: approx. 45 Kg. input, RGB input, monitor audio/video output. Accessories supplied: →3/ →3 21-pin Scart connector 1 Remote Control (RM-932) (SMARTLINK) (CENELEC 2 Batteries (IEC designated) standard) including audio / video input, S video input, Other features: selectable audio / video 100 Hz picture output and Smartlink Teletext, Fastext, TOPtext (250 page TEXT interface. Sleep Timer G Audio outputs (Left/Right) -Smartlink (direct link between your TV set phono jacks and a compatible VCR. For more information on Smartlink, please refer to the Instruction Manual of your VCR). Dolby Virtual. BBE Digital Auto Format.

Design and specifications are subject to change without notice.

## **Troubleshooting**



Here are some simple solutions to problems which may affect the picture and sound.

| Problem  | Solution   |  |
|--|--|--|
| No picture (screen is dark) and no sound.  | Check the aerial connection. Plug the TV in and press the ① button on the front of the TV. If the standby indicator ① is on, press TV I/① button on the remote control.  |  |
| Poor or no picture (screen is dark), but good sound.                               | Using the menu system, select the "Picture Adjustment" menu<br>and select "Reset" to return to the factory settings.   |  |
| No picture or no menu information from equipment connected to the Scart connector. | Check that the optional equipment is on and press the ⊕ button repeatedly on the remote control until the correct input symbol is displayed on the screen.   |  |
| Good picture, no sound.  | Press the ∠+ button on the remote control.     Check that "TV Speakers" is "On" in the "Detail Set Up" menu.     Check that headphones are not connected.  |  |
| No colour on colour programmes.  | Using the menu system, select the "Picture Adjustment" menu<br>and select "Reset" to return to factory settings.   |  |
| Distorted picture when changing programmes or selecting teletext.                  | Turn off any equipment connected to the Scart connector on<br>the rear of the TV.  |  |
| Picture slanted  | Using the menu system, select the "Picture Rotation" option in<br>the "Detail Set Up" menu to correct the picture slant.   |  |
| Noisy picture when viewing a TV channel.   | Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception. Using the menu system, select the "Noise Reduction" option in the "Detail Set Up" menu and select "Auto" to reduce the noise in the picture.   |  |
| No unscrambling or unstable picture whilst viewing a scrambled channel             | Using the menu system, select the "Set Up" menu. Then enter<br>to "Detail Set Up" option and set "AV3 Output" to "TV".   |  |
| with a decoder connected through the Scart connector ⊕3/⊕3.                        | • Check that the decoder is not connected on the scart ⊕2/⊕2.  |  |
| Remote control does not function.  | Check that the Media Selector on the remote control is set to the device you are using (VCR, TV or DVD). If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on "Remote Control Configuration for VCR/DVD" chapter of this instruction manual. Replace the batteries. |  |
| The standby indicator $\textcircled{1}$ on the TV flashes.                         | Contact your nearest Sony service centre.  |  |

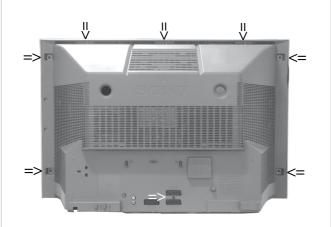


If you continue to experience problems, have your TV serviced by qualified personnel. If you continue to experience provided Never open the casing yourself.

ACI (Auto Channel Installation).

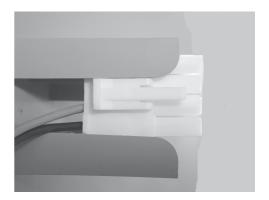
## **SECTION 2 DISASSEMBLY**

#### 2-1. Rear Cover Removal



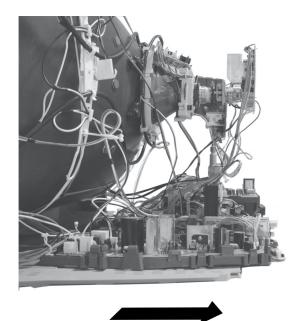
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

#### 2-2. Speaker Connector Disconnection

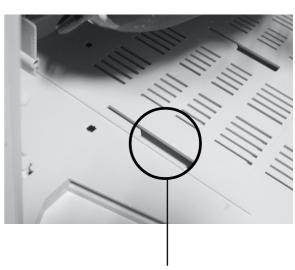


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

#### 2-3. Chassis Removal and Refitting

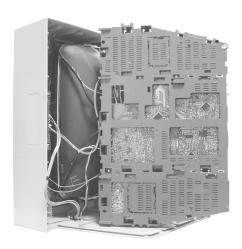


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



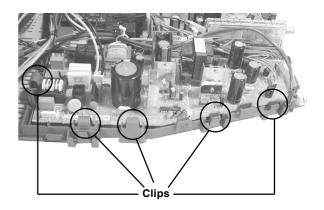
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

#### 2-4. Service Position



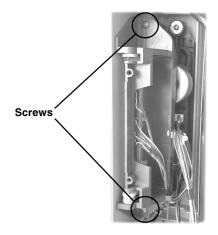
Position the chassis as indicated to access the solder side. To gain access to the underside of the boards follow the instructions on page 17. [Removal and Replacement of the main bracket bottom plates].

#### 2-5. G Board Removal



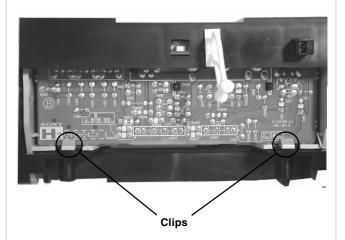
To remove the G Board release the clips circled and ease the board gently away from the support bracket. Removal of the D board follows the same procedure.

#### 2-6. Side Control Module Removal



Remove the two screws fixing the user control module to the side of the set. The control module can then be removed by sliding it towards the rear of the set allowing access to the H2 Board.

#### 2-7. H2 Board Removal



To remove the H2 Board release the two clips circled and ease the board gently away from the support bracket.

### 2-8. M Board Removal



To remove the M Board gently release the two clips with a screwdriver and remove the board from its socket vertically.

### 2-9. Service Connector for M Board



**Board** 

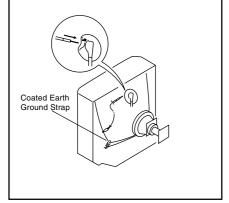
Extender Board Assembly A-1642-293-A

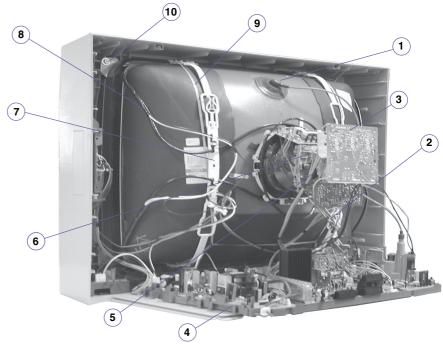
If the M Board needs to be removed for testing when the chassis is placed in its service position, it would be necessary to use an extender board and extension cable as indicated

The Extender board and extension cable are available as a service part by ordering the part number as indicated.

#### WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

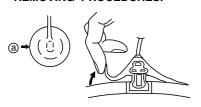




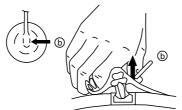
- 1. Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tentioners.
- Unscrew the four CRT fixing screws [ located on each CRT corner ] and remove the CRT.
   [Take care not to handle the CRT by the neck.]

#### Removal of the Anode-Cap

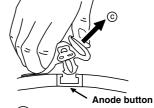
\* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



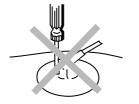
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)

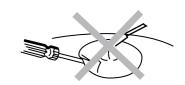


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

#### How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





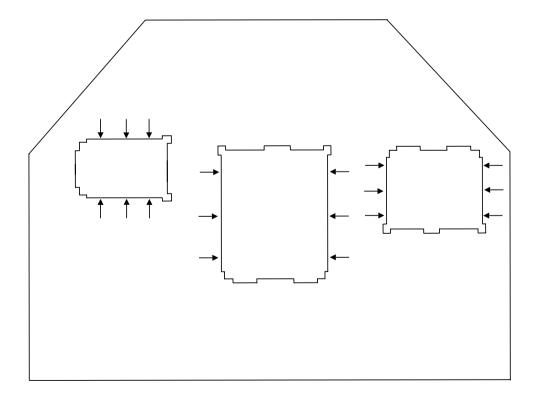
### REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

#### (1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

**Note:** There are 3 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.



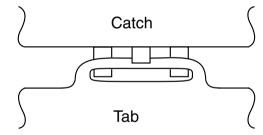


For safety reasons, on no account should the plates be removed and not refitted after servicing.

#### (2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



## **SECTION 3 SET-UP ADJUSTMENTS**

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast ......normal

Brightness .....normal

#### Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- 4. Digital multimeter.

#### 3-1. Beam Landing

#### **Preparation:**

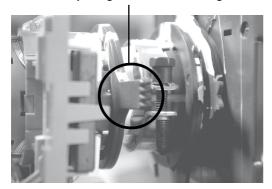
- 1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

#### (1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-2.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
- Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

#### Y-splitting axis correction magnet



#### **Caution:**

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

#### (2) Landing

**Note:** Before carrying out the following adjustments adjust the magnets as indicated [See Fig. 3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- 4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- 7. Position the deflection yoke between the two marks indicated above.
- 8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

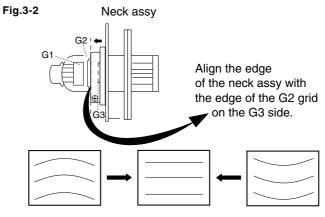
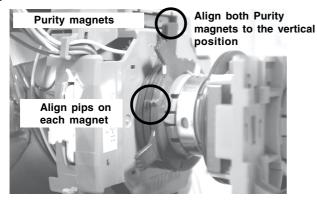


Fig.3-3

Fig.3-4



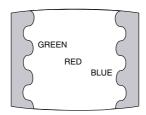
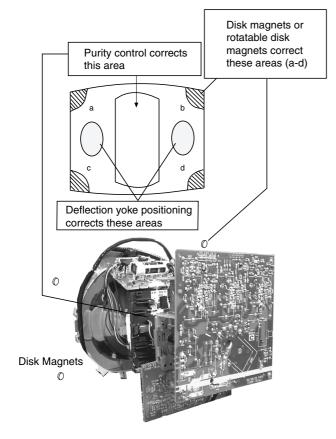
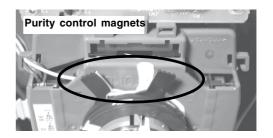


Fig.3-5

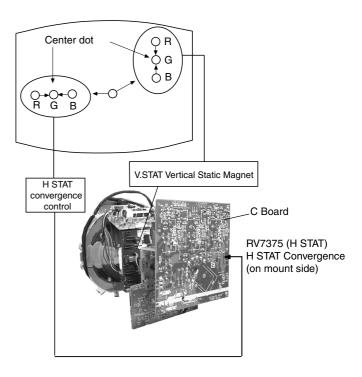




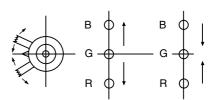
## 3-2. Convergence

#### (1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



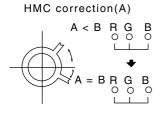
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



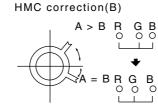
**Note:** Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

- 4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of

the electron beam.

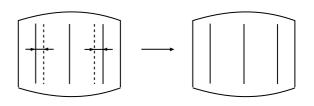


VMC correction(A)



b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

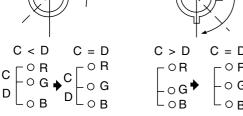
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



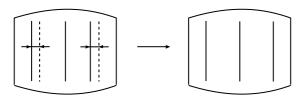
#### **YCH Adjustment**



VMC correction(B)



#### **HAMP Adjustment**

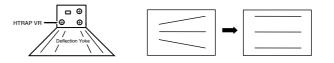


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

## **TLV Adjustment**

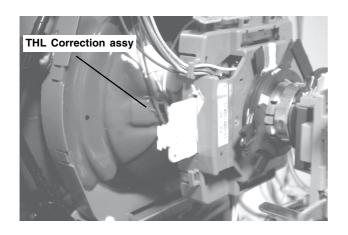


#### **H-TRAP Adjustment**

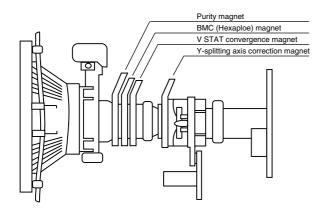


The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

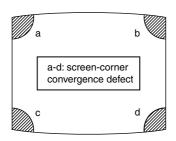
#### **HTIL Adjustment**

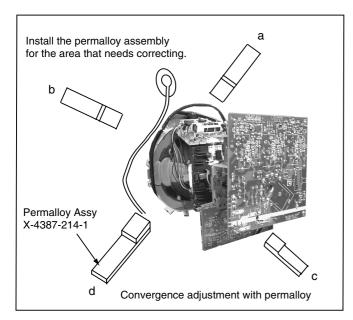


#### Layout of each control



**Note:** If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.

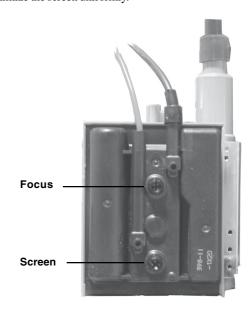




#### 3-3. Focus Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
   Bring only the centre area of the screen into focus, the magenta-

ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



#### 3-4. Screen (G2), White Balance

## [Adjustment in the service mode using the remote commander]

#### G2 adjustment

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- 3. Apply 165V DC from an external power supply to the R, G and B cathodes of the CRT.
- 4. Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

#### White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Program the Remote Commander for operation in Service Mode.
   [ See Page 22 ].
- 3. Enter into the 'Service Mode' by pressing 'VIDEO' button twice and 'MENU' on the Service Commander.
- Select 'Service' from the on screen menu display and press 'Right Arrow'.
- 5. The 'Service' menu will appear on the screen. [See Page 23]
- 6. Set the 'Contrast' to MAX.
- 7. Set the 'R-Drive' to 50.
- 8. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 9. Press the 'OK' button to write the data for each item.
- 10. Set the 'Contrast' to MIN.
- 11. Set the 'R-Cutoff' to 29.
- 12. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 13. Press the 'OK' button to write the data for each item.

### **SECTION 4 CIRCUIT ADJUSTMENTS**

#### 4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-932.

# **Programming the Remote Commander for Operation in Service Mode**

- 1. Press the VCR/TV/DVD button until the TV LED lights.
- Press and hold the yellow button for approx. 5 seconds until the TV LED flashes quickly.



- 3. Press 99999. All three LED's should light.
  The remote commander is now set to Service Mode.
- 4. To return the remote commander to normal operation mode repeat steps 1. and 2. then press 00000. All three LED's should light.

The remote commander is now set to normal mode.

#### **Setting the TV into Service Mode**

- Program the remote commander for operation in Service Mode as described above.
- 2. Turn on the TV main power switch.
- 3. Press the video standby button on the remote commander twice.
  - 'TT\_\_' will appear in the upper right corner of the screen. Other status information will also be displayed.
- 4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Geometry
Panorama
Service
Scanrate
DAC
PiP
Sound
IF adjust
Error Menu

AE6B Wide v2.21 (Jan 2002)
Factory data 02h 16h
MSP Device : MSP3411G

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- 6. Press the right arrow button to enter into the required menu item.
- 7. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

#### Note

 After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

| GEOMETRY  |  |   |
|---|--|---|
| ABL TH ABL MODE P ABL V SIZE V POSITION V COMP V LIN S CORRECTION H SIZE PIN AMP UP CORNERPIN M PIN LO CORNERPIN TRAPEZIUM H POSITION AFC BOW AFC ANGLE LEFT BLK RIGHT BLK V ASPECT AKBTIM1 AKBTIM2 IKR HNG VNG | (0, 3)<br>(0, 3)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 63) | 0<br>0<br>15<br>35<br>33<br>1<br>7<br>7<br>44<br>32<br>29<br>2<br>29<br>2<br>40<br>8<br>9<br>34<br>17<br>47<br>2<br>0 |

| PANORAMA   |          |     |
|------------|----------|-----|
| LIODWIDTLL | (0.7)    |     |
| HORWIDTH H | (0, 7)   | 1   |
| HORWIDTH L | (0, 255) | 170 |
| HORPOS H   | (0, 7)   | 0_  |
| HORPOS L   | (0, 255) | 15  |
| NAPPLIP H  | (0, 7)   | 1   |
| NAPPLIP L  | (0, 127) | 62  |
| HSCPOSC H  | (0, 15)  | 8   |
| HSCPOSC L  | (0, 255) | 151 |
| BLANDEL    | (0, 255) | 13  |
| BLANLEN    | (0, 255) | 207 |
| BLANPOL    | (0, 1)   | 0   |
| HSEG1 H    | (0, 7)   | 0   |
| HSEG1 L    | (0, 255) | 96  |
| HSEG2 H    | (0, 7)   | 0   |
| HSEG2 L    | (0, 255) | 192 |
| HSEG3 H    | (0, 7)   | 0   |
| HSEG3 L    | (0, 255) | 224 |
| HSEG4 H    | (0, 7)   | 1   |
| HSEG4 L    | (0, 255) | 64  |
| HINCO H    | (0, 1)   | 0   |
| HINCO L    | (0, 255) | 40  |
| HINC1 H    | (0, 1)   | 0   |
| HINC1 L    | (0, 255) | 20  |
| HINC2 H    | (0, 1)   | 0   |
| HINC2 L    | (0, 255) | 0   |
| HINC3 H    | (0, 1)   | 1   |
| HINC3 L    | (0, 255) | 236 |
| HINC4 H    | (0, 1)   | 1   |
| HINC4 L    | (0, 255) | 216 |

| IF ADJUST  |   |
|------------|---|
| Automute   | 1 |
| Audio Gain | 0 |
| L Gating   | 0 |

| SERVICE  |  |  |
|--|--|--|
| SUB COL<br>SUB HUE<br>SUB SHARP<br>SUB BRIGHT<br>SUB CONT<br>R-DRIVE<br>G-DRIVE<br>B-DRIVE<br>R CUTOFF<br>G CUTOFF<br>B CUTOFF<br>Br TXT<br>Br OSD | (0, 63)<br>(0, 15) | Adj<br>31<br>30<br>13<br>12<br>50<br>Adj<br>Adj<br>28<br>24<br>46<br>7 |

| DAC  |  |          |                              |
|--|--|----------|------------------------------|
| CONFIG<br>MPIN CONT<br>HLIN<br>HTRAP<br>ROT. COIL<br>PHOCUS PH | (0, 255)<br>(0, 255)<br>(0, 255)<br>(0, 255)<br>(0, 255) | 00000000 | 96<br>83<br>127<br>130<br>90 |

| SOUND   |  |   |
|---|--|---|
| M-N<br>M-D<br>M-S<br>S-M<br>D-M<br>N-M<br>BBE<br>B1<br>B2<br>B3 | (0, 511)<br>(-128, -1)<br>(+0, +127)<br>(+0, +127)<br>(-128, -1)<br>(0, 1023)<br>(+0, +68)<br>(-96, +96)<br>(-96, +96)<br>(-96, +96) | 200<br>-20<br>+20<br>+10<br>-10<br>496<br>+28<br>+0<br>+0<br>+0 |
| B4<br>B5<br>SW L<br>SW F<br>NICAM C AD<br>NICAM Error<br>Stereo | (-96, +96)<br>(-96, +96)<br>(-128, +0)<br>(+5, +40)<br>(0, 2047)<br>(-128, +127)   | +0<br>+0<br>+0<br>+30<br>+30                                    |
| Status  | 000000110  |   |

| ERROR MENU   |  |  |                       |
|--|--|--|-----------------------|
| E02<br>E03<br>E04<br>E05<br>E06<br>E07<br>E08<br>E09<br>E10<br>E11<br>E12<br>E13<br>E14<br>E15 | OCP<br>OVP<br>VSYNC<br>IKR<br>IIC<br>NVM<br>HPROT<br>TUNER<br>SOUNDP<br>-<br>SCANRATE<br>DAC<br>BACKEND<br>DYN CON | (0, 255)<br>(0, 255) | 0<br>0<br>0<br>0<br>0 |
| WORKING TIME<br>HOURS<br>MINUTES   | PIP  | (0, 255)   | 0<br>14<br>7          |

#### **Sub Brightness Adjustment**

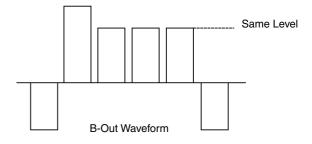
- 1. Input a Monoscope pattern.
- 2. Program the Remote Commander for operation in Service Mode. [See Page 22].
- 3. Press 'VIDEO' 'VIDEO' 13 on the Remote Commander.
- 4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

#### **Sub Contrast Adjustment**

- 1. Input a video signal that contains a small 100% white area on a black background.
- 2. Connect an digital voltmeter to Pin 10 of J7378 [C Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- 4. Adjust the Sub-Contrast [ Using 'VIDEO' 'VIDEO' '11' ] to obtain a voltage of 105 +/- 5V.

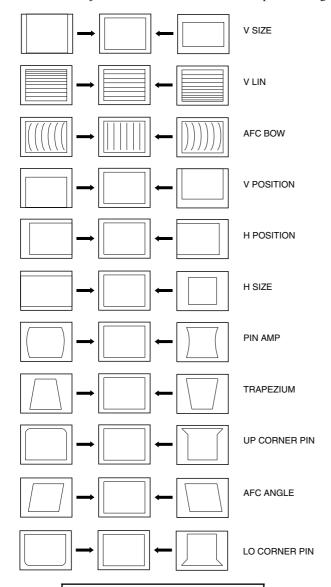
#### **Sub Colour Adjustment**

- 1. Receive a PAL colour bar signal.
- 2. Connect an oscilloscope to Pin 6 of CN7001 [A Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- 4. Adjust the 'Sub Colour' [ Using 'VIDEO' 'VIDEO' '12' ] so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



#### **Deflection System Adjustment**

- 1. Program the Remote Commander for operation in Service Mode. [See Page 22] and enter into the 'Geometry' service menu.
- 2. Select and adjust each item in order to obtain the optimum image.

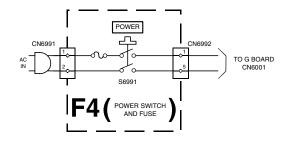


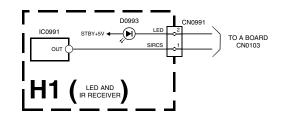
| GEOMETRY  |   |   |
|---|---|---|
| ABL TH ABL MODE P ABL V SIZE V POSITION V COMP V LIN S CORRECTION H SIZE PIN AMP UP CORNERPIN M PIN LO CORNERPIN TRAPEZIUM H POSITION AFC BOW AFC ANGLE LEFT BLK RIGHT BLK V ASPECT AKBTIM1 AKBTIM2 IKR HNG VNG | (0, 3)<br>(0, 3)<br>(0, 15)<br>(0, 63)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 15)<br>(0, 63)<br>(0, 63) | 0<br>0<br>15<br>35<br>33<br>1<br>7<br>7<br>44<br>32<br>29<br>2<br>29<br>2<br>40<br>8<br>9<br>34<br>17<br>47<br>2<br>0 |

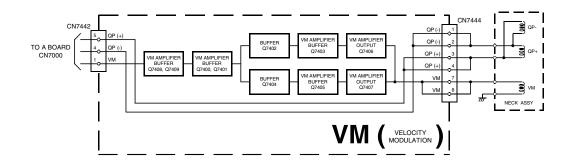
#### 4-2.TEST MODE 2:

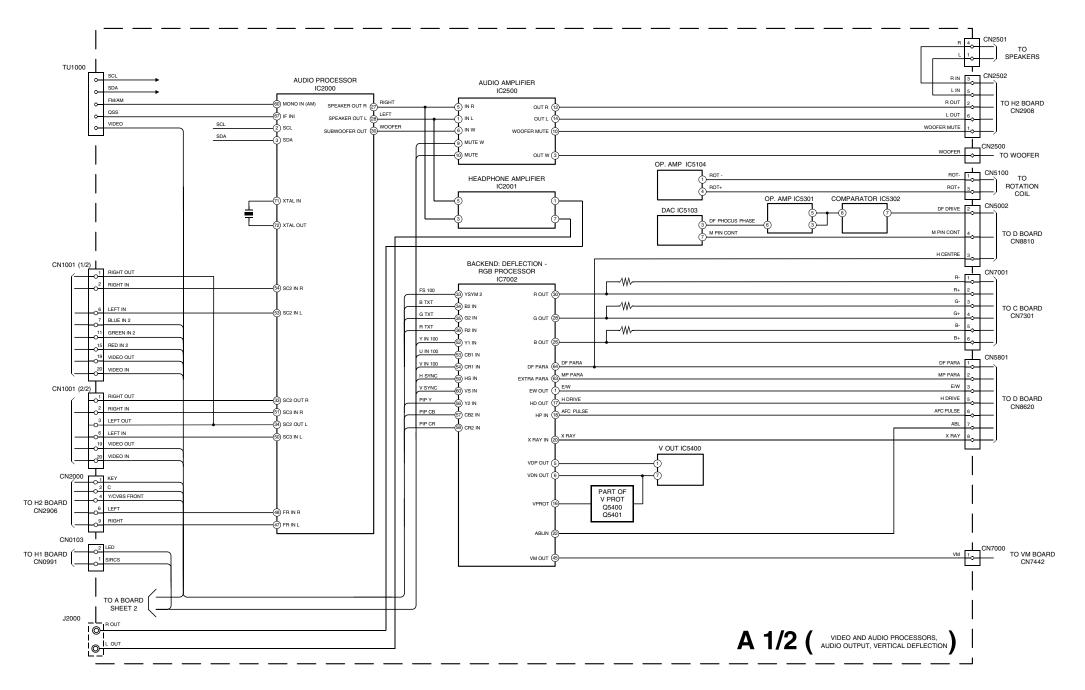
Test Mode 2 is available by rogramming the Remote Commander for operation in Service Mode [As shown on Page 22] then pressing the 'VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 00, 10, 20 ... twice or switch the TV set into Stand-by mode. In 'TT Menu' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen!!.

| 00 | 'TT' mode off                                 |  |
|----|---|--|
| 01 | Picture maximum                               |  |
| 02 | Picture minimum                               |  |
| 03 | Set speaker/headphone Volume to 35%           |  |
| 04 | Set speaker/headphone Volume to 50%           |  |
| 05 | Set speaker/headphone Volume to 65%           |  |
| 06 | Set speaker/headphone Volume to 80%           |  |
| 07 | Ageing mode                                   |  |
| 08 | Shipping Condition                            |  |
| 11 | Sub picture adjustment                        |  |
| 12 | Sub colour adjustment                         |  |
| 13 | Sub Brightness adjustment                     |  |
| 14 | Text H Position adjustment                    |  |
| 15 | Rotation Coil Test                            |  |
| 16 | Picture level 50%                             |  |
| 19 | Factory Mode Enable/Disable                   |  |
| 21 | Destination ADEKR                             |  |
| 22 | Destination BL                                |  |
| 23 | Destination ADEKR                             |  |
| 24 | Destination U                                 |  |
| 25 | Destination ADEKR                             |  |
| 26 | Destination BL                                |  |
| 27 | Destination ADEKR                             |  |
| 28 | Destination ADEKR                             |  |
| 31 | Auto Shutoff Enable/Disable                   |  |
| 36 | Velocity Modulation (VM) OFF/ON test          |  |
| 41 | Re-initialise NVM                             |  |
| 43 | Select Dual A sound                           |  |
| 44 | Select Dual B sound                           |  |
| 45 | Select Mono sound                             |  |
| 46 | Select Stereo sound                           |  |
| 48 | Set NVM as non virgin                         |  |
| 49 | Set NVM as virgin                             |  |
| 53 | FM Overmodulation Enable/Disable              |  |
| 55 | Tuner selection (SONY/ALPS)                   |  |
| 59 | Select Model 3 Scarts + PIP or 2 Scarts       |  |
| 68 | Enable/Disable X26 countermeasure (N problem) |  |
| 73 | Enable Zweiton D/K2 system (6.5/6.74)         |  |
| 74 | Enable Zweiton D/K3 system (6.5/5.74)         |  |
| 78 | Balance full right                            |  |
| 79 | Balance full left                             |  |
| 87 | Local keys test                               |  |
| 99 | Display Error and Working Time menu           |  |
| 99 | Display Littor and Working Time menu          |  |

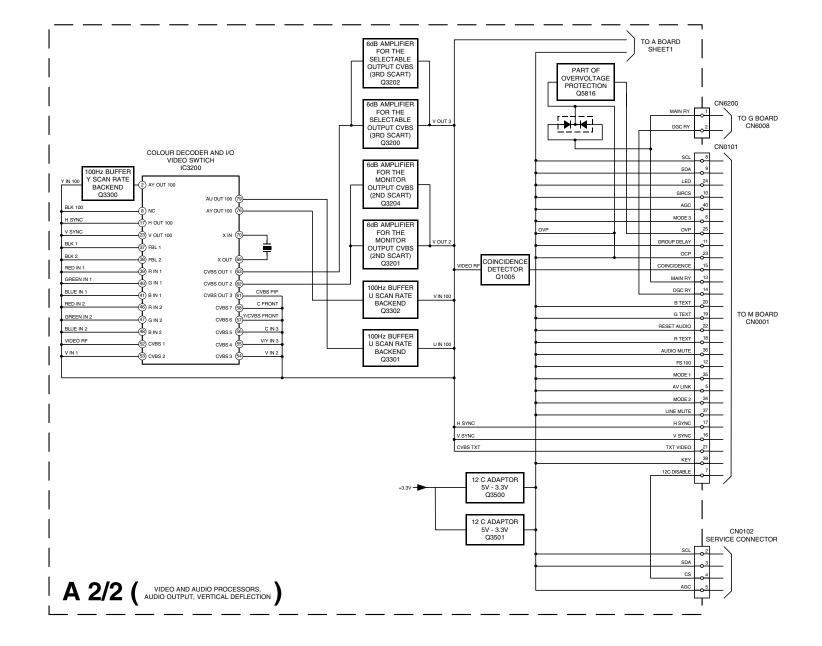


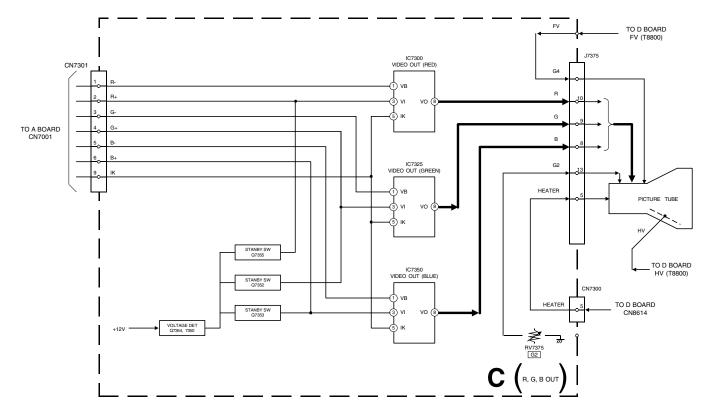


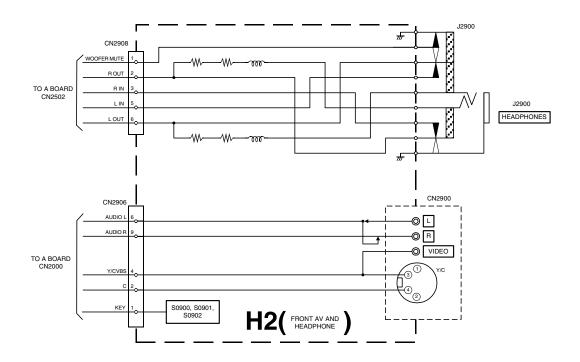




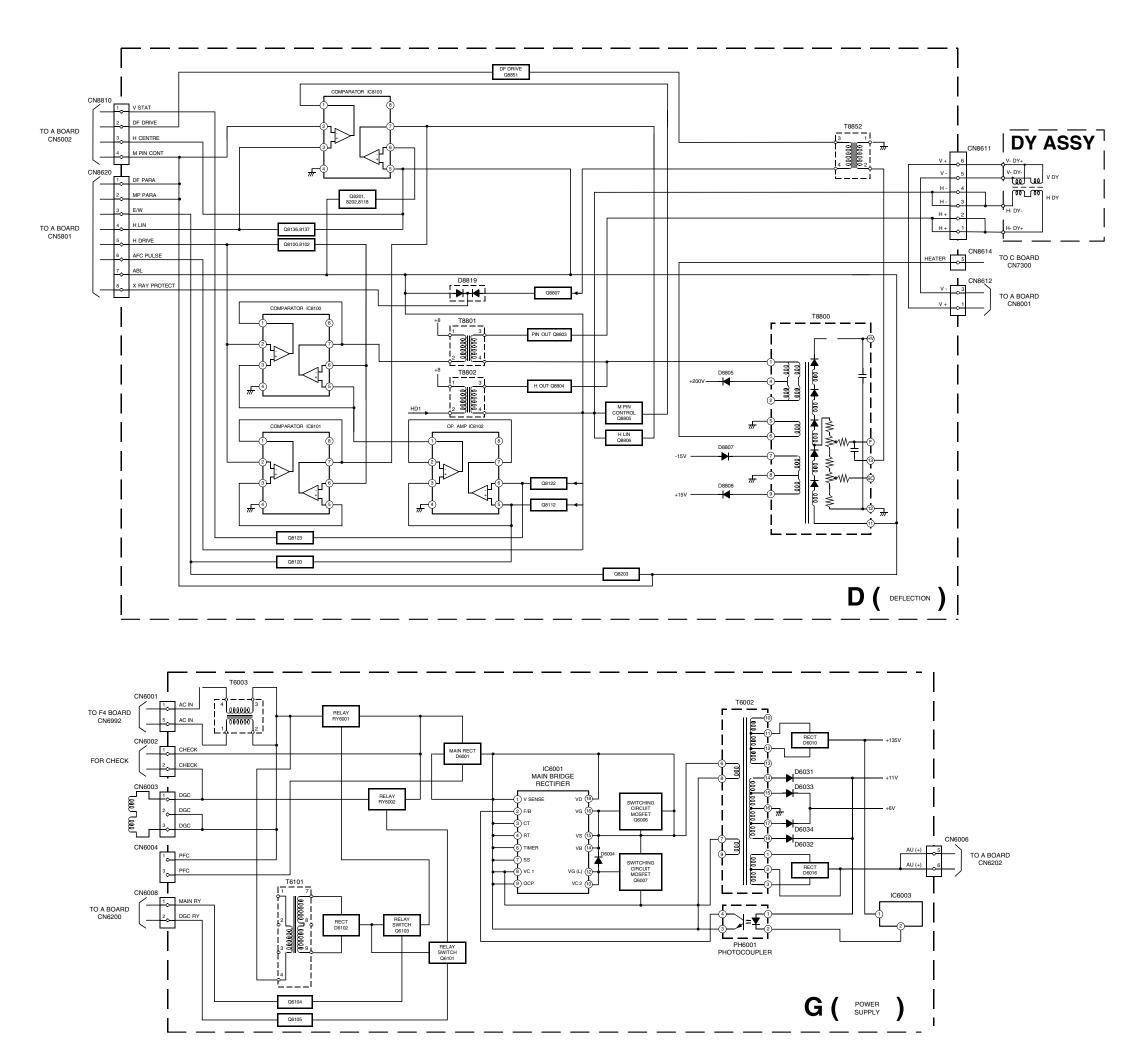
### 5-1. BLOCK DIAGRAMS (2)



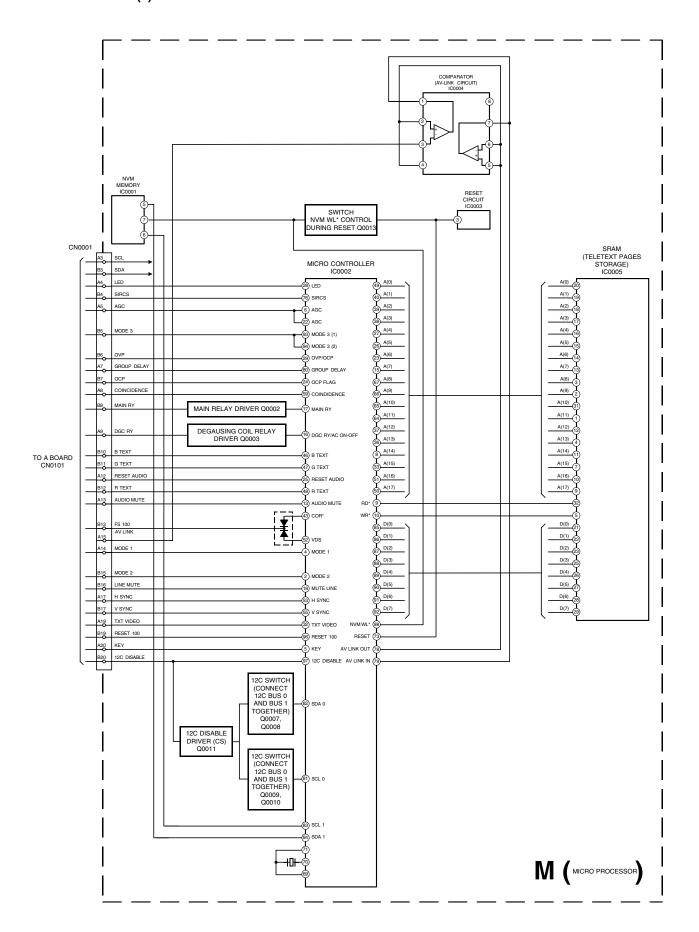




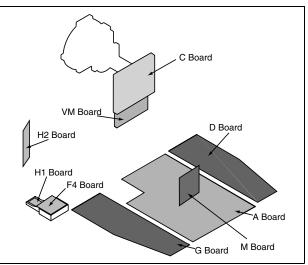
## 5-1. BLOCK DIAGRAMS (3)



#### 5-1. BLOCK DIAGRAMS (4)



#### 5-2. CIRCUIT BOARD LOCATION



# 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

#### Note:

- $\bullet \quad \text{All capacitors are in } \mu \text{F unless otherwise noted}.$
- pF : μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.

k = 1000 ohms, M = 1000,000 ohms

• : nonflammable resistor.

• : fusible resistor.

• : internal component.

: panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.

• : B + bus.

• **= =** : B - bus.

: RF signal path.

: earth - ground.

• : earth - chassis.

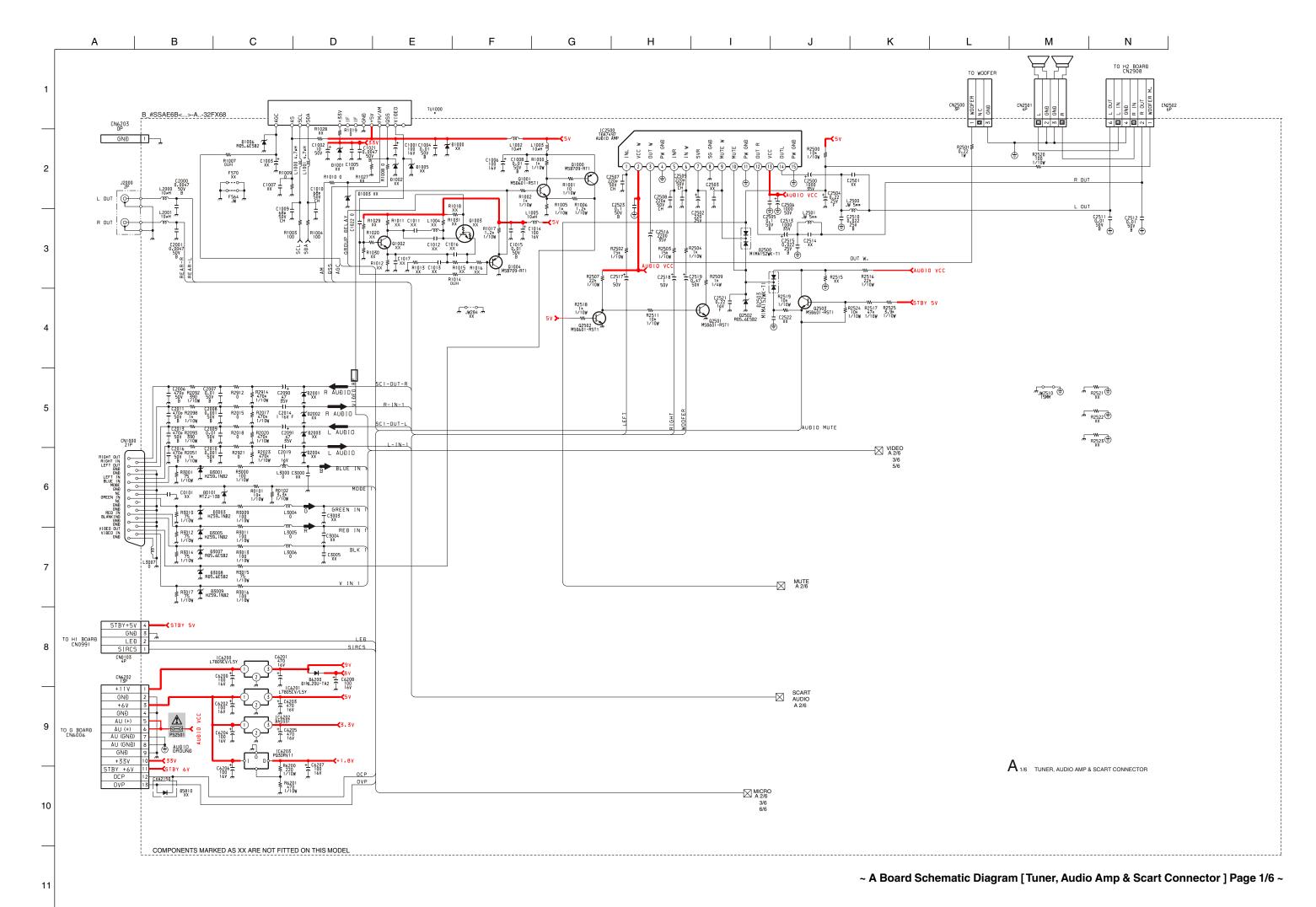
#### **Reference Information**

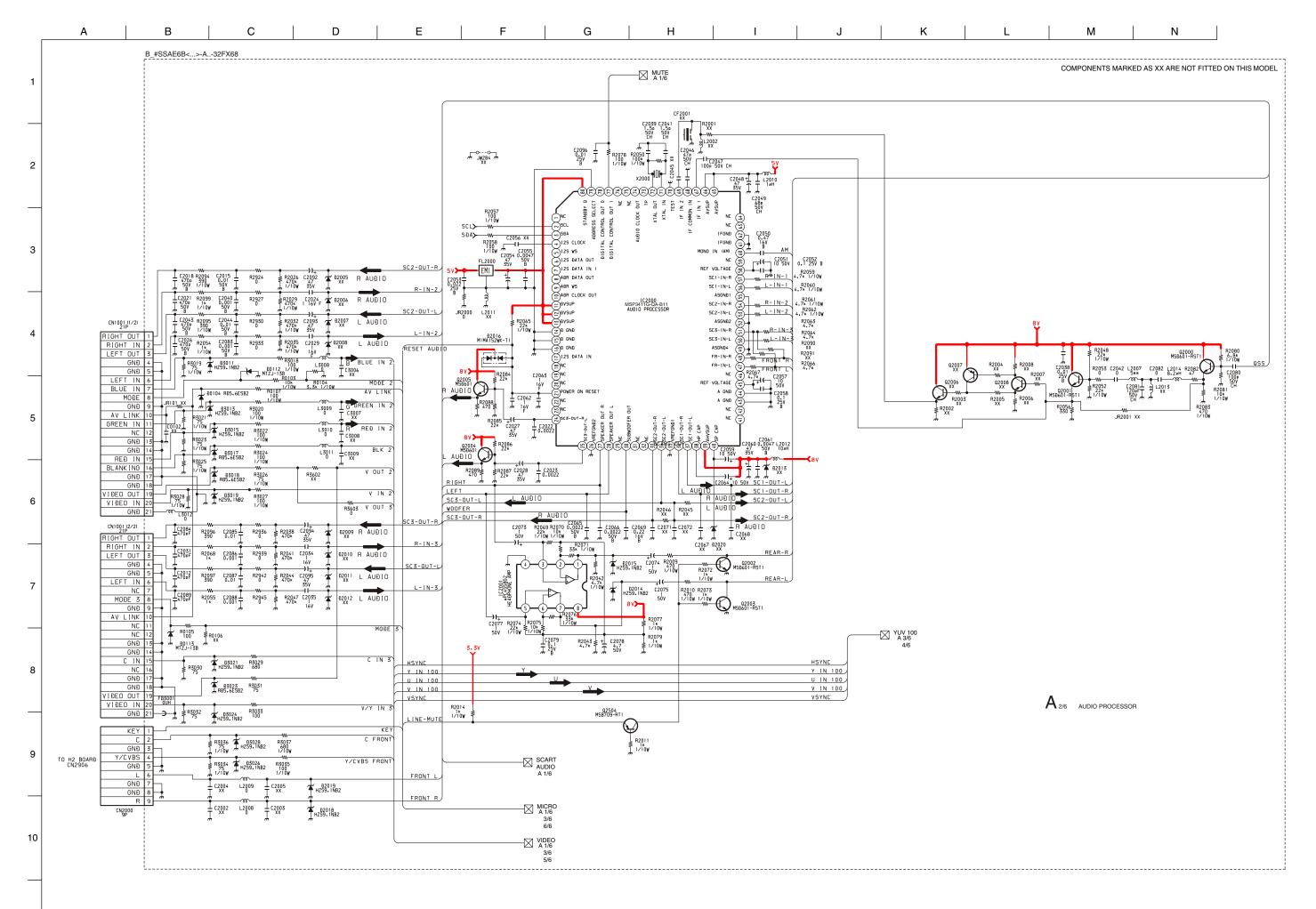
| RESISTOR  | RN       | : METAL FILM                |
|-----------|----------|-----------------------------|
|           | RC       | : SOLID                     |
|           | FPRD     | : NON FLAMMABLE CARBON      |
|           | FUSE     | : NON FLAMMABLE FUSIBLE     |
|           | RS       | : NON FLAMMABLE METAL OXIDE |
|           | RB       | : NON FLAMMABLE CEMENT      |
|           | RW       | : NON FLAMMABLE WIREWOUND   |
|           | <b>※</b> | : ADJUSTMENT RESISTOR       |
| COIL      | LF-8L    | : MICRO INDUCTOR            |
| CAPACITOR | TA       | : TANTALUM                  |
|           | PS       | : STYROL                    |
|           | PP       | : POLYPROPYLENE             |
|           | PT       | : MYLAR                     |
|           | MPS      | : METALIZED POLYESTER       |
|           | MPP      | : METALIZED POLYPROPYLENE   |
|           | ALB      | : BIPOLAR                   |
|           | ALT      | : HIGH TEMPERATURE          |
|           | ALR      | : HIGH RIPPLE               |

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

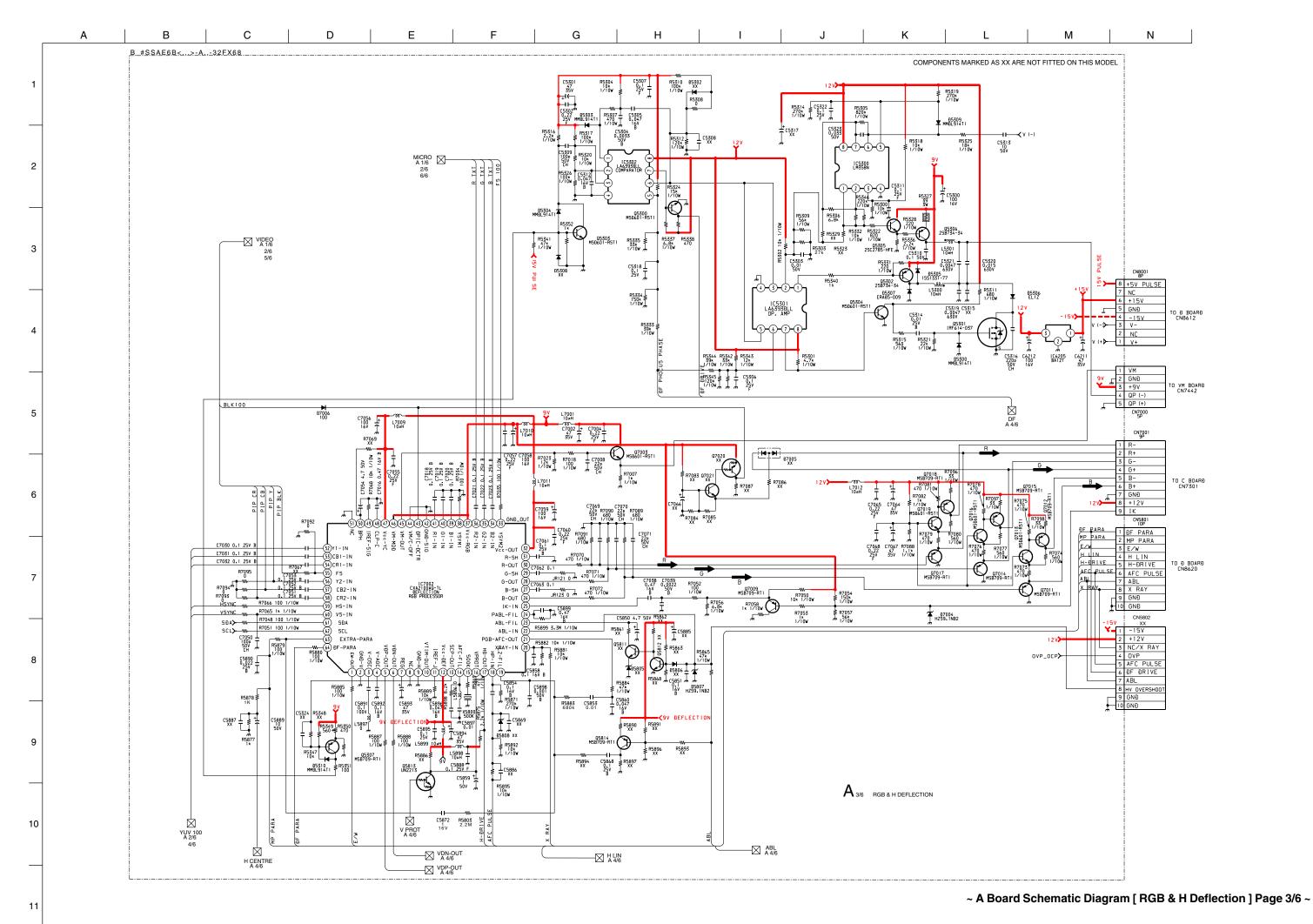
Note: Les composants identifiés par une trame et par une marque △ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

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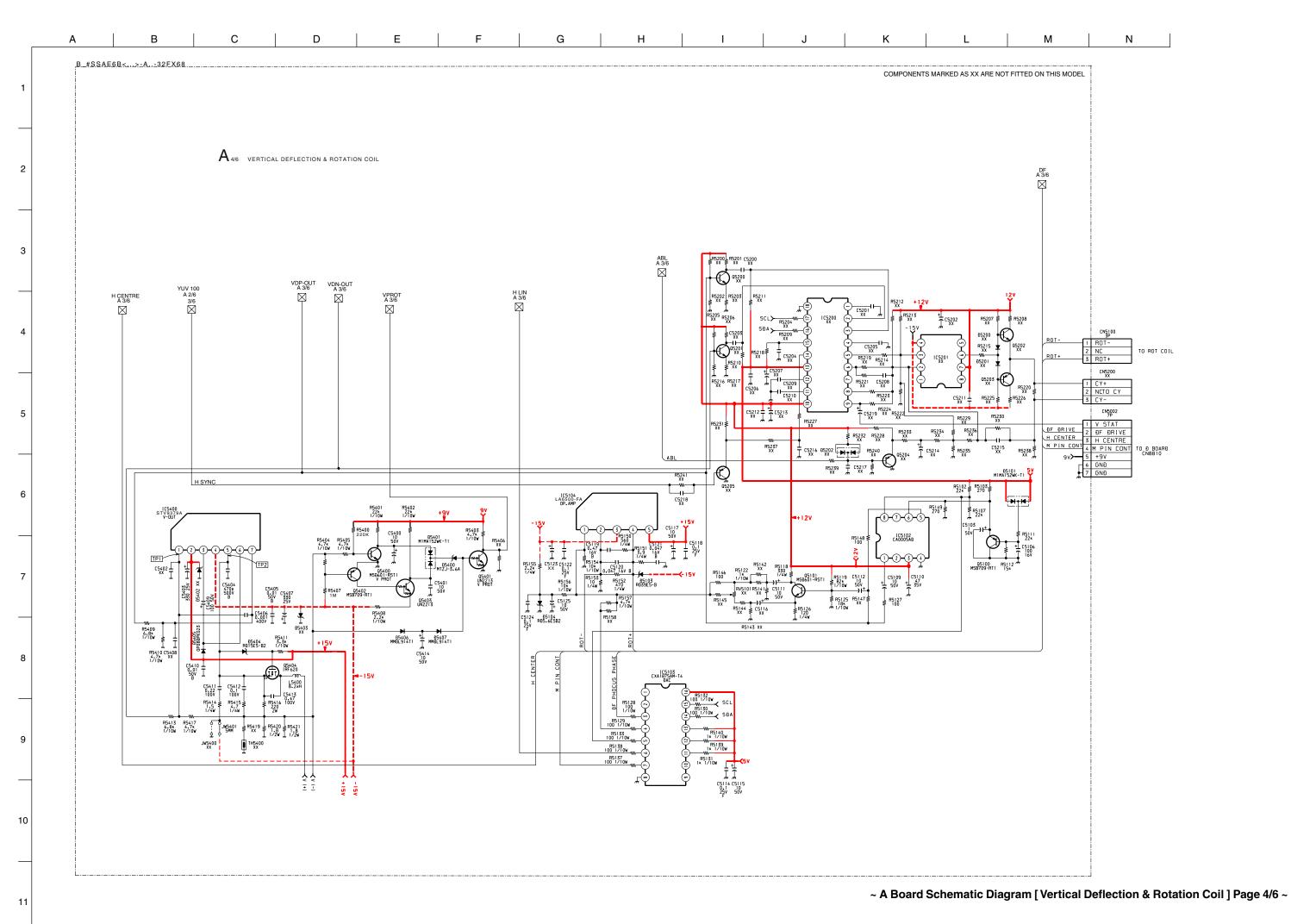


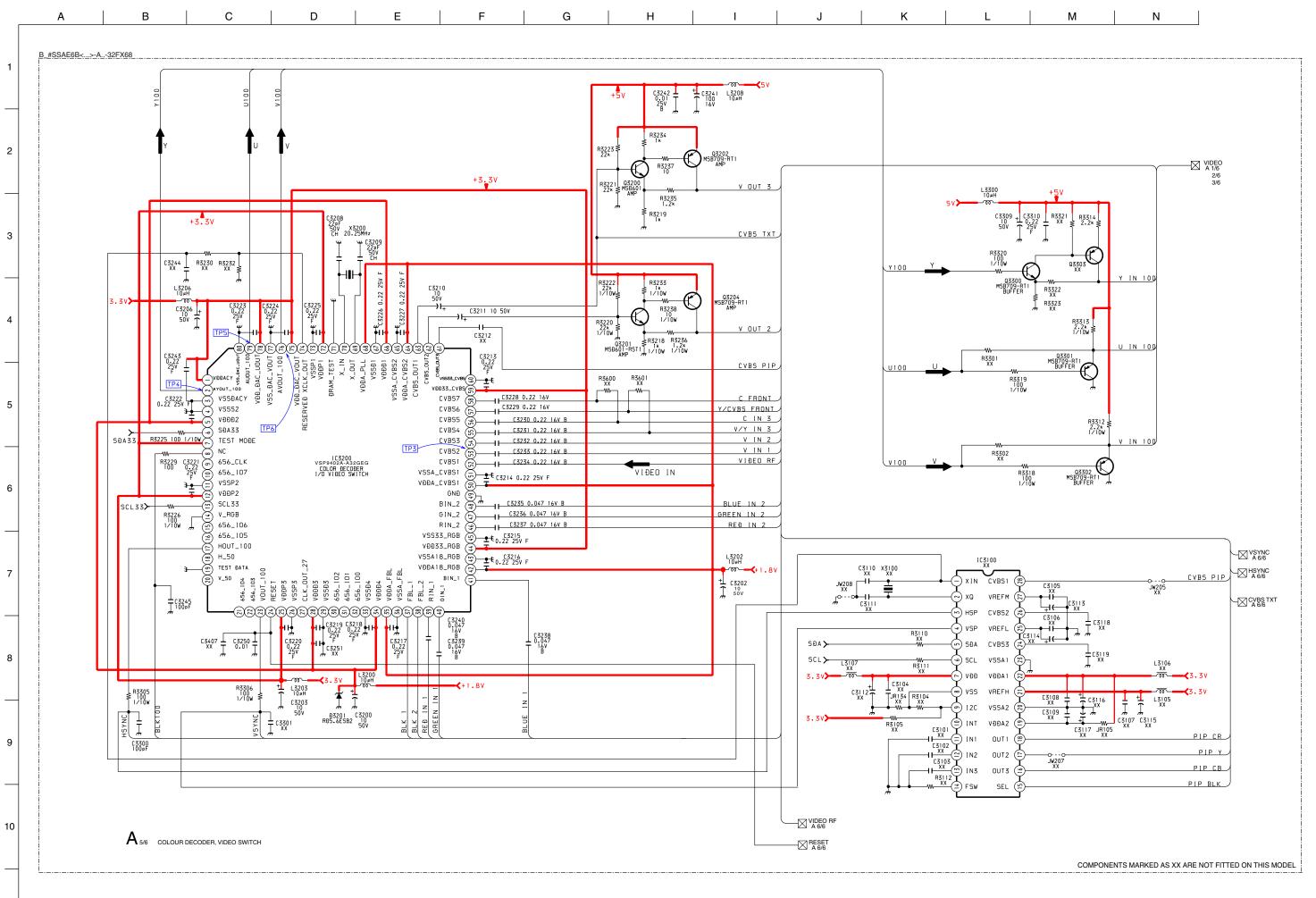


11

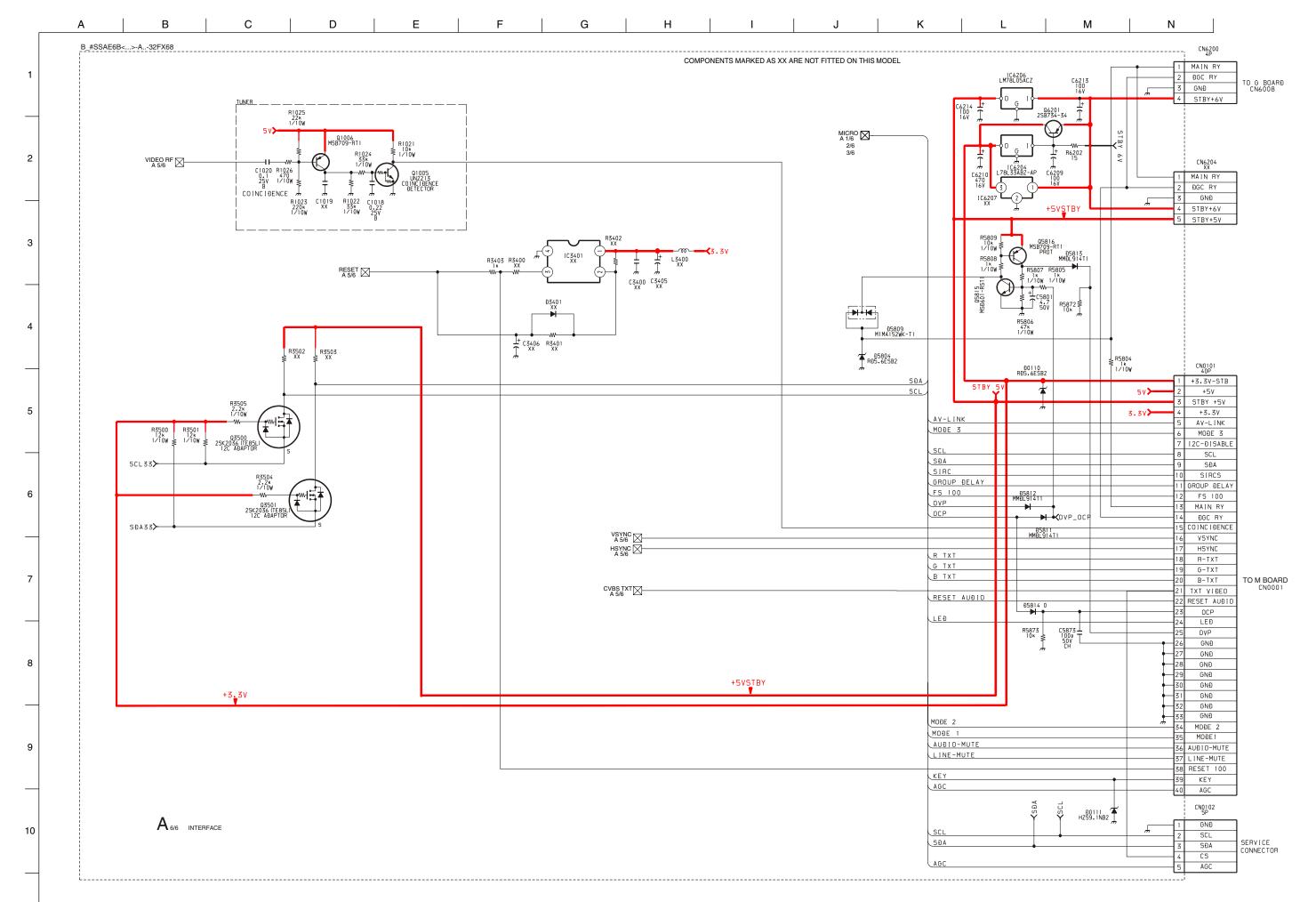


- 31 -

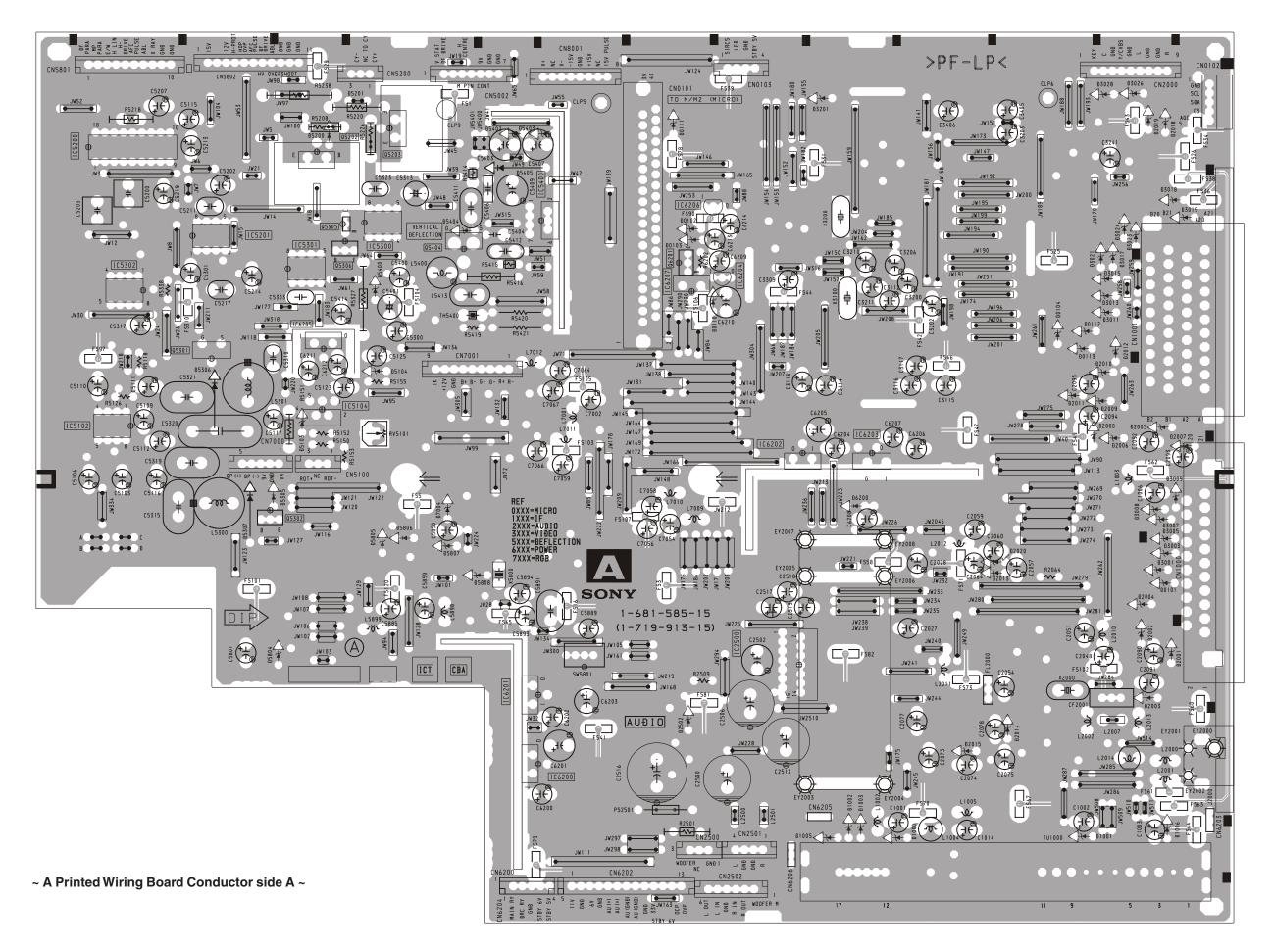


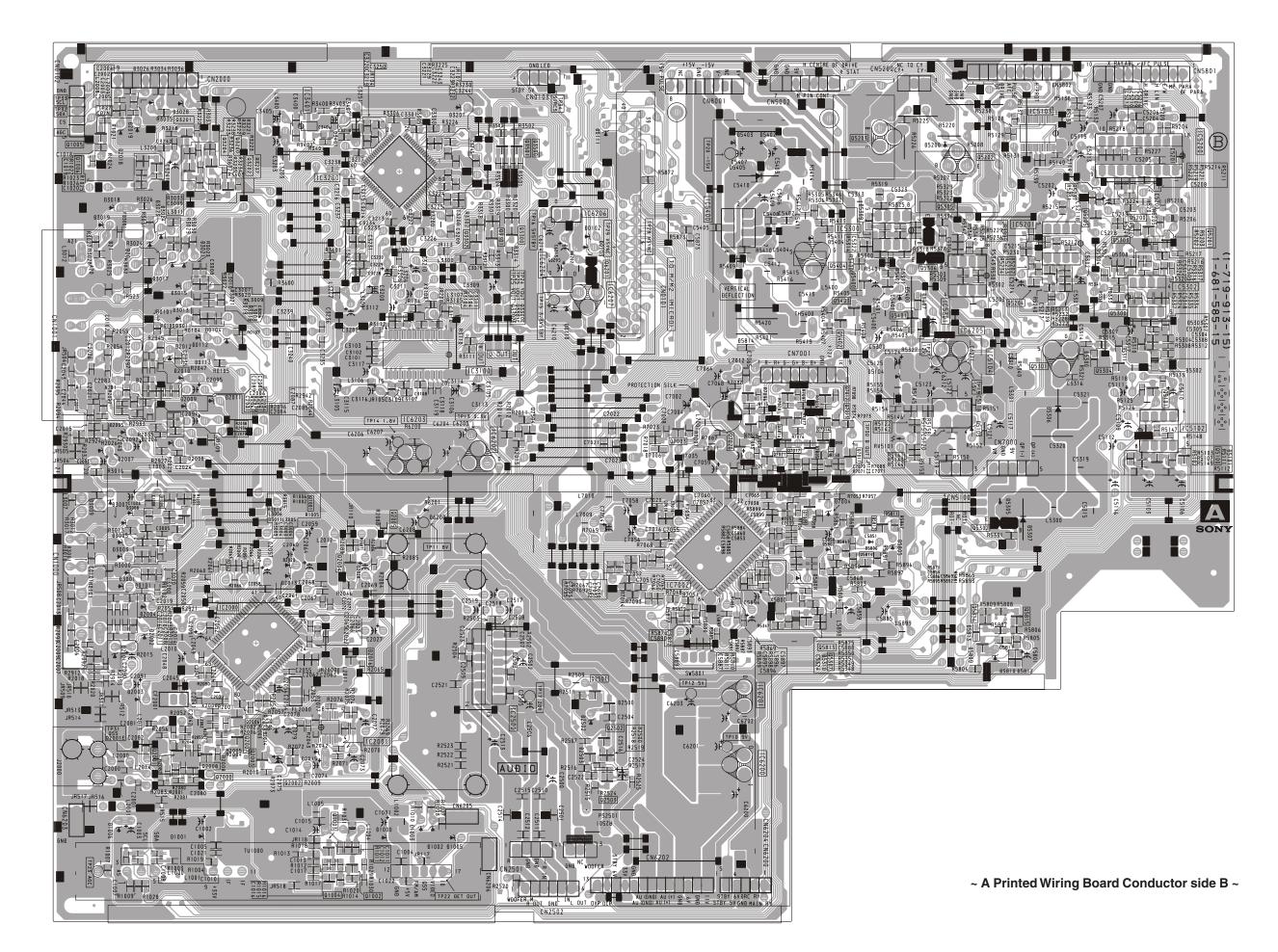


11

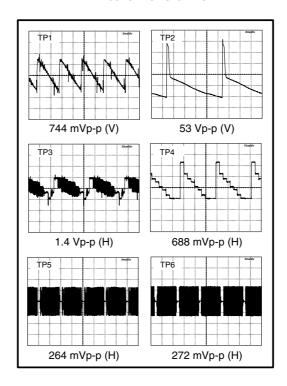


11





#### ~ A Board Waveforms ~



#### ~ A Board Location Table (A Side) ~

| DIO   | DE    | D1006 | M - 10 | D3003 | M - 7 | D3015 | M - 4 | D3026 | M - 2 | D5305 | D - 6 | D6200  | J - 6 | IC5301 | D - 4 | IC6206 | H - 3 |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| D0101 | M - 7 | D2014 | L - 9  | D3005 | M - 7 | D3017 | M - 4 | D3028 | M - 2 | D5306 | C - 5 | D7004  | F - 7 | IC5302 | B - 4 | IC6207 | H - 4 |
| D0104 | L - 5 | D2015 | K - 9  | D3007 | M - 7 | D3018 | N - 3 | D3201 | J - 2 | D5307 | D - 7 | IC     | ;     | IC5400 | G - 4 | TRANS  | ISTOR |
| D0110 | I - 4 | D2018 | M - 2  | D3008 | M - 7 | D3019 | N - 3 | D5103 | D - 6 | D5400 | E - 4 | IC5104 | D - 6 | IC6201 | G - 9 | Q5202  | E- 2  |
| D0111 | H - 2 | D2019 | M - 2  | D3009 | N - 7 | D3021 | M - 4 | D5104 | E - 5 | D5404 | F - 4 | IC5200 | B - 3 | IC6202 | I - 6 | Q5301  | C - 5 |
| D0112 | M - 4 | D2502 | H - 9  | D3011 | M - 4 | D3023 | M - 4 | D5200 | D - 2 | D5405 | F - 3 | IC5201 | C - 4 | IC6203 | J - 6 | Q5306  | E - 4 |
| D0113 | M - 5 | D3001 | M - 7  | D3013 | M - 4 | D3024 | M - 4 | D5201 | E - 2 | D5807 | F - 7 | IC5300 | E - 4 | IC6205 | D - 5 | Q5404  | F - 4 |

#### ~ A Board Location Table (B Side) ~

|       |        |       |       | -     |       |        |       |        |       |       |        |       |       |       |       |       |       |
|-------|--------|-------|-------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| DIC   | ODE    | D2503 | G - 9 | D3024 | B - 3 | D5309  | J - 3 | IC5103 | L - 3 | TRAN  | SISTOR | Q3201 | C - 2 | Q5300 | M - 4 | Q7003 | H - 6 |
| D0101 | B - 7  | D3001 | B - 7 | D3026 | B - 2 | D5400  | K - 4 | IC5104 | K - 5 | Q1000 | C - 6  | Q3202 | C - 3 | Q5301 | L - 5 | Q7009 | I - 7 |
| D0104 | C - 5  | D3003 | B - 7 | D3028 | C - 2 | D5401  | J - 4 | IC5200 | M - 3 | Q1001 | D - 6  | Q3204 | C - 3 | Q5302 | K - 7 | Q7011 | J - 6 |
| D0110 | G - 4  | D3005 | B - 7 | D3201 | F - 2 | D5404  | J - 3 | IC5201 | L - 4 | Q1004 | D - 11 | Q3300 | F - 3 | Q5303 | M - 4 | Q7012 | J - 5 |
| D0111 | G - 2  | D3007 | B - 6 | D5103 | L - 6 | D5405  | I - 3 | IC5300 | J - 3 | Q1005 | B - 2  | Q3301 | F - 3 | Q5304 | M - 5 | Q7013 | J - 6 |
| D0112 | C - 5  | D3008 | B - 6 | D5104 | J - 5 | D5809  | K - 8 | IC5301 | K - 4 | Q1006 | B - 3  | Q3302 | F - 3 | Q5305 | K - 3 | Q7014 | J - 6 |
| D0113 | C - 5  | D3009 | B - 6 | D5200 | K - 2 | D5811  | L - 8 | IC5302 | M - 4 | Q2000 | C - 9  | Q3500 | F - 3 | Q5306 | K - 4 | Q7015 | I - 5 |
| D1006 | B - 10 | D3011 | C - 4 | D5202 | L - 4 | D5812  | L - 8 | IC5400 | I - 3 | Q2002 | D - 9  | Q3501 | F - 3 | Q5400 | J - 4 | Q7016 | I - 6 |
| D2014 | C - 9  | D3013 | C - 4 | D5300 | L - 5 | D6200  | E - 7 | IC6200 | I - 9 | Q2003 | D - 9  | Q5101 | M - 5 | Q5401 | J - 4 | Q7017 | I - 6 |
| D2015 | D - 9  | D3015 | C - 4 | D5303 | N - 4 | ı      | С     | IC6201 | I - 8 | Q2004 | E - 7  | Q5200 | M - 4 | Q5402 | J - 5 | Q7018 | I - 5 |
| D2016 | E - 8  | D3017 | B - 4 | D5304 | M - 4 | IC2000 | C - 8 | IC6202 | F - 6 | Q2005 | E - 7  | Q5201 | N - 4 | Q5403 | J - 4 | Q7019 | I - 6 |
| D2018 | B - 2  | D3018 | B - 3 | D5305 | L - 6 | IC2001 | D - 9 | IC6203 | E - 6 | Q2501 | G - 8  | Q5202 | K - 3 | Q5404 | J - 4 |       |       |
| D2019 | B - 2  | D3019 | B - 3 | D5306 | L - 5 | IC2500 | F - 8 | IC6205 | K - 5 | Q2502 | G - 9  | Q5203 | J - 2 | Q5813 | J - 8 |       |       |
| D2500 | G - 9  | D3021 | C - 4 | D5307 | L - 7 | IC3100 | E - 5 | IC6206 | G - 3 | Q2503 | G - 9  | Q5204 | L - 4 | Q5815 | L - 8 |       |       |
| D2502 | G - 9  | D3023 | B - 3 | D5308 | M - 4 | IC3200 | E - 3 | IC6207 | G - 4 | Q3200 | C - 3  | Q5205 | M - 3 | Q5816 | L - 8 |       |       |

### ~ A Board Semiconductor Voltage Table ~

| Ref   | (s) | (g) | (d)  | Ref   | (e) | (b) | (c)  | Ref   | (e) | (b) | (c)  | Ref   | (e)   | (b)   | (c)   | Ref   | (e)  | (b)  | (c)  | Ref   | (e)  | (b)  | (c)  |
|-------|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|-------|-------|-------|-------|------|------|------|-------|------|------|------|
| Q3500 | 2.7 | 3.3 | 3.9  | Q2002 | 0   | 0   | 4    | Q3204 | 5   | 4.4 | 3.4  | Q5205 | 1.9   | 1.2   | 0     | Q5813 | 0    | 7.9  | 0    | Q7015 | 11.6 | 10.9 | 8.8  |
| Q3501 | 2.7 | 3.3 | 4    | Q2003 | 0   | 0   | 4    | Q3300 | 0.7 | 1.3 | 5    | Q5300 | 0     | 0.4   | 2.2   | Q5814 | 0    | 0    | 0    | Q7016 | 6    | 6.6  | 10.9 |
| Q5301 | 0   | 5.1 | 51.2 | Q2004 | 3.3 | 3.9 | 8.3  | Q3301 | 1.9 | 1.2 | 0    | Q5301 | 5.1   | 0     | 51.2  | Q5815 | 0    | 0    | 5    | Q7017 | 2.7  | 2    | 0    |
| Q5404 | 0   | 0   | 0.5  | Q2005 | 3.3 | 3.9 | 8.3  | Q3302 | 1.9 | 1.2 | 0    | Q5302 | 8.9   | 5.7   | 0     | Q5816 | 5    | 5    | 0    | Q7018 | 11.6 | 10.9 | 8.6  |
| Ref   | (e) | (b) | (c)  | Q2501 | 0   | 0   | 15.2 | Q3500 | 3.3 | 2.7 | 3.9  | Q5304 | 0     | 0.4   | 5.6   | Q7003 | 5.6  | 6.2  | 8.8  | Q7019 | 6    | 6.6  | 10.9 |
| Q1001 | 3.2 | 3.9 | 8.3  | Q2502 | 0   | 0.7 | 0    | Q3501 | 3.3 | 2.7 | 4    | Q3400 | 0     | 0     | 0.1   | Q7009 | 3.2  | 7    | 0.1  | Q7020 | 8.9  | 8.9  | 0    |
| Q1004 | 1.9 | 1.3 | 0    | Q2503 | 0.6 | 0.6 | 0.5  | Q5101 | 0   | 0.4 | 6.4  | Q5401 | 0     | 0     | 7.9   | Q7011 | 2.5  | 1.9  | 0    | Q7021 | 2.7  | 2.7  | 8.9  |
| Q1005 | 0   | 0.5 | 5    | Q3200 | 1.9 | 2.5 | 4.4  | Q5201 | 2.8 | 3.4 | 7.9  | Q5402 | 0     | 0     | -11.3 | Q7012 | 11.6 | 10.9 | 8.7  |       |      |      |      |
| Q1006 | 5   | 4.7 | 1    | Q3201 | 1.9 | 2.5 | 4.4  | Q5202 | 0.2 | 0.8 | 11.7 | Q5403 | -13.5 | -11.2 | -8.3  | Q7013 | 6    | 6.6  | 10.9 |       |      |      |      |
| Q2000 | 4.2 | 4.8 | 8.3  | Q3202 | 5   | 4.4 | 3.4  | Q5203 | 0.2 | 0.8 | 11.7 | Q5404 | 0     | 0     | 0.5   | Q7014 | 2.5  | 1.8  | 0    |       |      |      |      |

#### ~ A Board IC Voltage Table ~

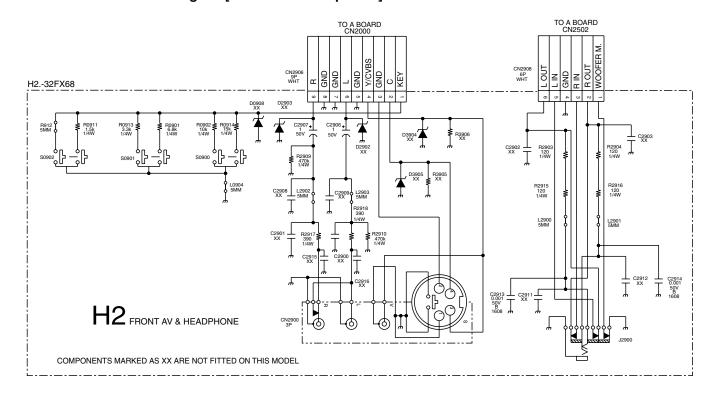
| Ref No | Pin No | Volts (V) | Ref<br>No | Pin No | Volts (V) | Ref<br>No | Pin No | Volts (V) | Ref<br>No        | Pin No | Volts (V) |
|--------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------------------|--------|-----------|
|        | 1      | 3.3       |           | 5      | 6.5       |           | 10     | 0.4       |                  | 38     | 0         |
|        | 2      | 3.3       | IC5301    | 6      | 7.1       |           | 11     | 1.9       |                  | 39     | 4.8       |
|        | 3      | 1.9       | 105301    | 7      | 0.4       |           | 12     | 0.4       |                  | 40     | 4.8       |
|        | 4      | 2.6       |           | 8      | 12        |           | 13     | 0.9       | _<br>-<br>-<br>- | 41     | 4.8       |
|        | 5      | 2.5       |           | 1      | 0         |           | 14     | 5         |                  | 42     | 0         |
|        | 6      | 1.8       |           | 2      | 5.8       |           | 15     | 2.5       |                  | 43     | 0         |
|        | 7      | 2         |           | 3      | 6.3       |           | 16     | 0         |                  | 44     | 0         |
| IC5103 | 3 8 9  | 0         | IC5302    | 4      | 0         |           | 17     | 3         |                  | 45     | 6.3       |
| 105103 | 9      | 3.1       | 103302    | 5      | 6.6       |           | 18     | 2.7       |                  | 46     | 8.9       |
|        | 10     | 3         |           | 6      | 6.5       |           | 19     | 3.9       |                  | 47     | 8.9       |
|        | 11     | 5         |           | 7      | 0.4       |           | 20     | 0         |                  | 48     | 6         |
|        | 12     | 5         |           | 8      | 12        |           | 21     | 6.1       |                  | 49     | 2.5       |
|        | 13     | 5         |           | 1      | 1.4       |           | 22     | 2.7       | - IC7002         | 50     | 4.1       |
|        | 14     | 0         |           | 2      | 13.2      | IC7002    | 23     | 8.8       |                  | 51     | 0         |
|        | 15     | 0         |           | 3      | -12.5     | 107002    | 24     | 0         |                  | 52     | 6         |
|        | 16     | 5         | IC5400    | 4      | -15.4     |           | 25     | 4.3       |                  | 53     | 5.8       |
|        | 1      | 6         |           | 5      | -0.4      |           | 26     | 3.2       |                  | 54     | 5.8       |
|        | 2      | 6         |           | 6      | 13.7      |           | 27     | 5.2       |                  | 55     | 0.4       |
|        | 3      | 6         |           | 7      | 1.4       |           | 28     | 0.3       |                  | 56     | 5.8       |
| IC5300 | 4      | 0         |           | 1      | 3.6       |           | 29     | 4.9       |                  | 57     | 5.8       |
| 105300 | 5      | 6         |           | 2      | 0         |           | 30     | 3.4       |                  | 58     | 5.8       |
|        | 6      | 6         |           | 3      | 4.4       |           | 31     | 5.6       |                  | 59     | 0.3       |
|        | 7      | 6         |           | 4      | 4.8       |           | 32     | 8.9       |                  | 60     | 0         |
|        | 8      | 12        | IC7002    | 5      | 3.5       |           | 33     | 0         |                  | 61     | 0         |
|        | 1      | 1.7       |           | 6      | 3.4       |           | 34     | 4.7       |                  | 62     | 2.9       |
| IC5301 | 2      | 8.5       |           | 7      | 7.6       | 7.6       | 35     | 4.7       |                  | 63     | 3.7       |
| 105501 | 3      | 6.5       |           | 8      | 0         |           | 36     | 4.7       |                  |        |           |
| 4      | 4      | 0         |           | 9      | 0         |           | 37     | 8.9       |                  |        |           |

#### ~ A Board Difference Table ~

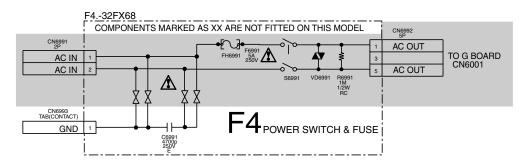
| Ref    | KV-32FX68B | KV-32FX68E | KV-32FX68K | KV-32FX68U |
|--------|------------|------------|------------|------------|
| TU1000 | FRONT END  | FRONT END  | FRONT END  | FRONT END  |
|        | BTF-EF411  | BTF-EC411  | BTF-EC411  | BTF-EU611  |

A B C D E F G H I J K L M N

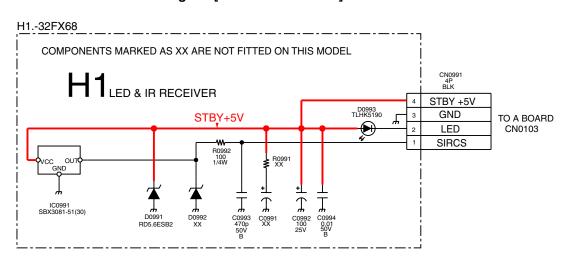
~ H2 Board Schematic Diagram [ Front AV & Headphone ] ~



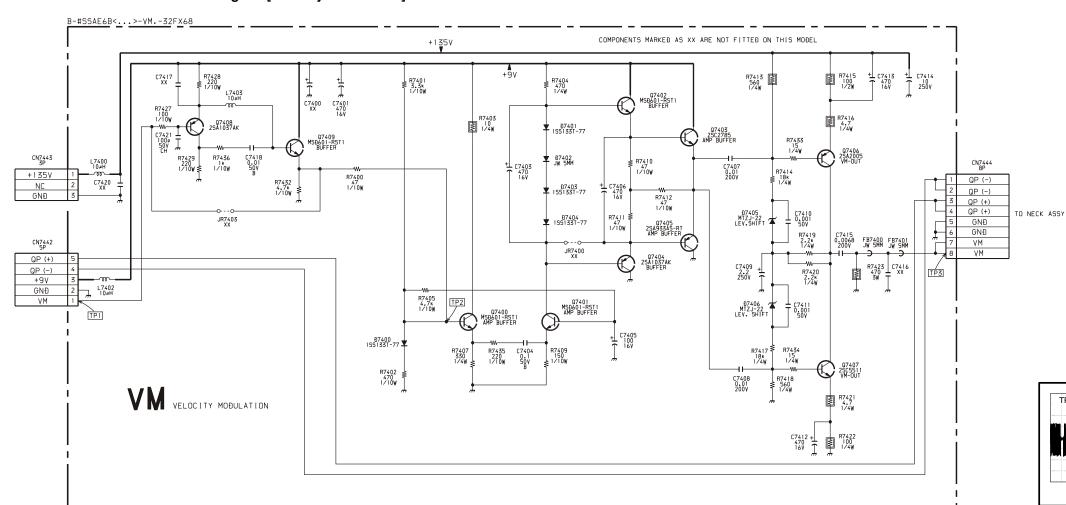
~ F4 Board Schematic Diagram [ Power Switch & Fuse ] ~



~ H1 Board Schematic Diagram [ LED & IR Receiver ] ~



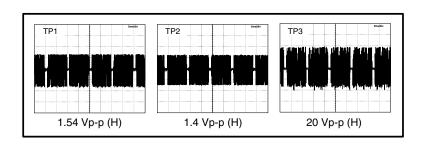
~ VM Board Schematic Diagram [Velocity Modulation] ~

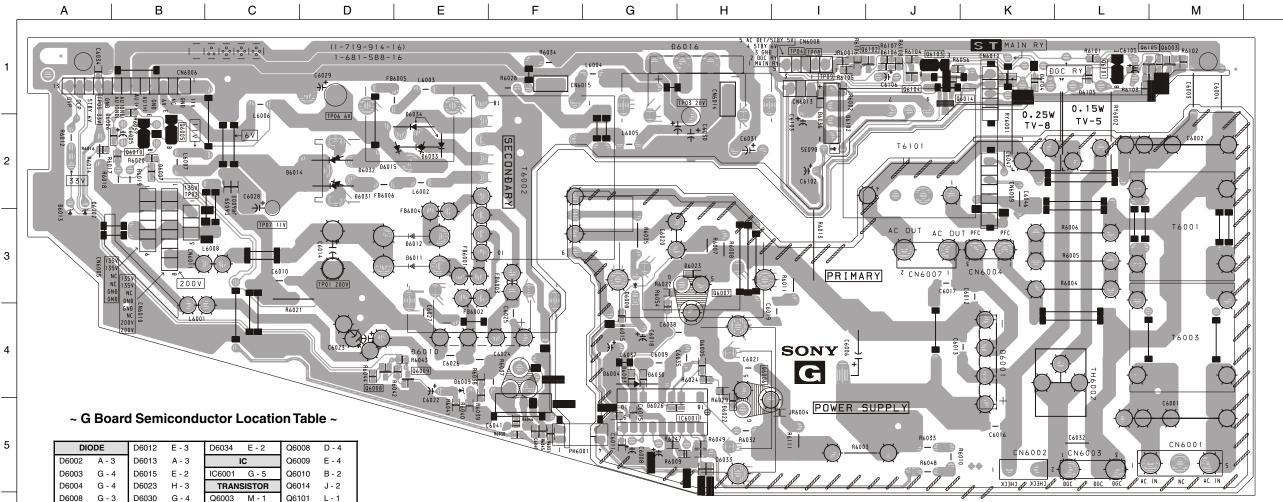


~ VM Board Voltage Table ~

| Ref   | (e)(s) | (b)(g) | (c)(d |
|-------|--------|--------|-------|
| Q7400 | 5.0    | 5.7    | 8.7   |
| Q7401 | 0.9    | 1.5    | 4.1   |
| Q7402 | 5.5    | 6.1    | 8.9   |
| Q7403 | 5.1    | 5.5    | 8.9   |
| Q7404 | 4.7    | 4.1    | 0     |
| Q7405 | 5.1    | 4.7    | 0     |
| Q7406 | 134    | 133.8  | 68    |
| Q7407 | 1.1    | 1.4    | 68    |
| Q7408 | 6.3    | 5.6    | 2.5   |
| Q7409 | 5.7    | 6.3    | 0.9   |

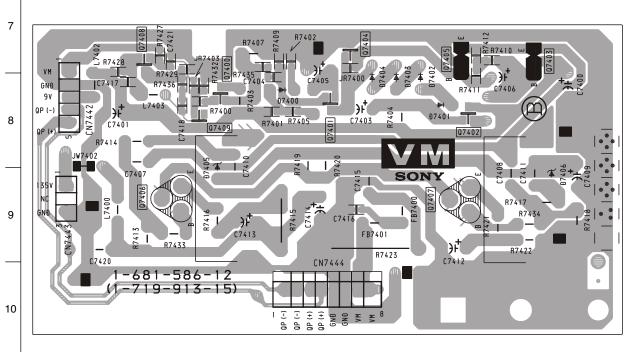
~ VM Board Waveforms ~





~ G Printed Wiring Board Conductor side ~

~ H1 Printed Wiring Board Conductor side ~



D6031

D6033

D6032 D - 2

E - 4

D6010

11

Q6005 B - 2

Q6006 H - 4

Q6007 H - 3

Q6102

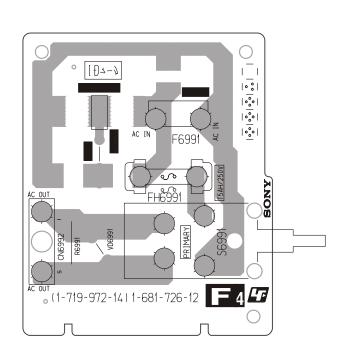
Q6103

Q6105

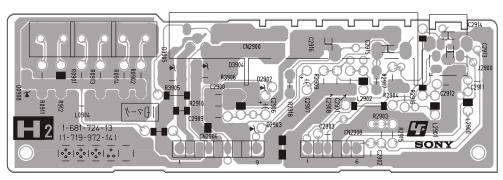
J - 1

J - 1

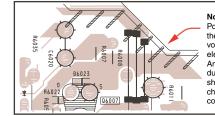
~ VM Printed Wiring Board Conductor side ~



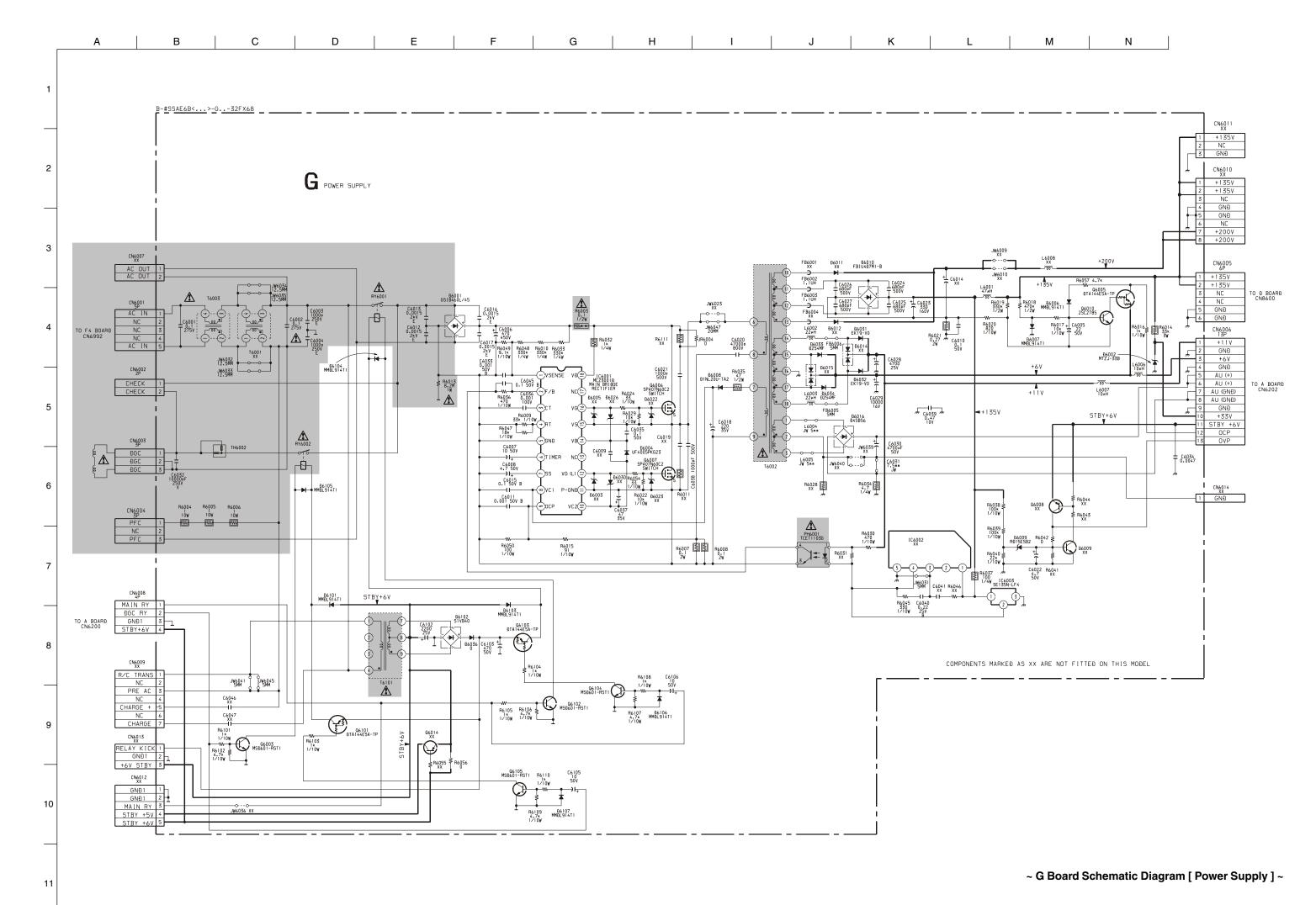
~ F4 Printed Wiring Board Conductor side ~

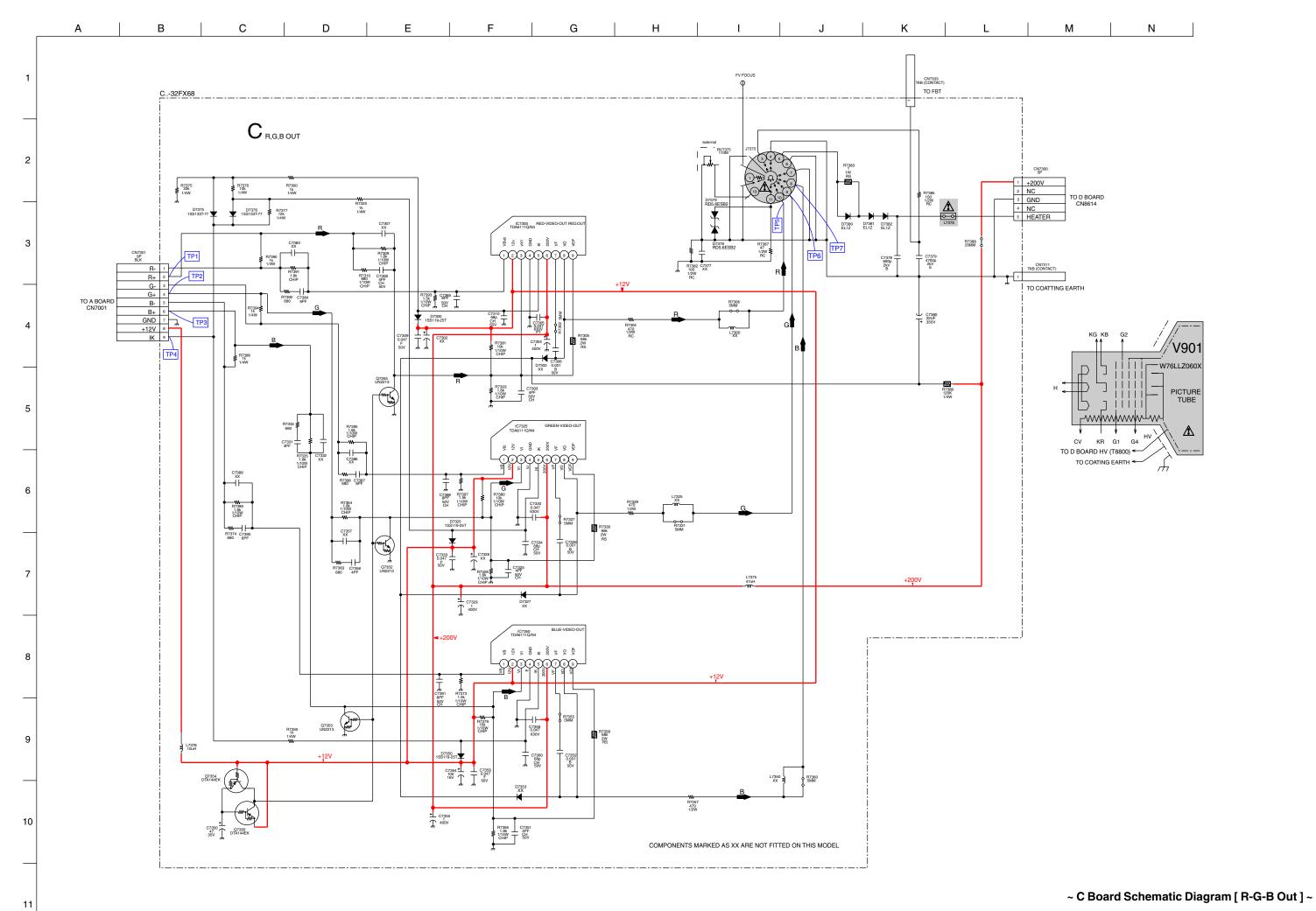


~ H2 Printed Wiring Board Conductor side ~



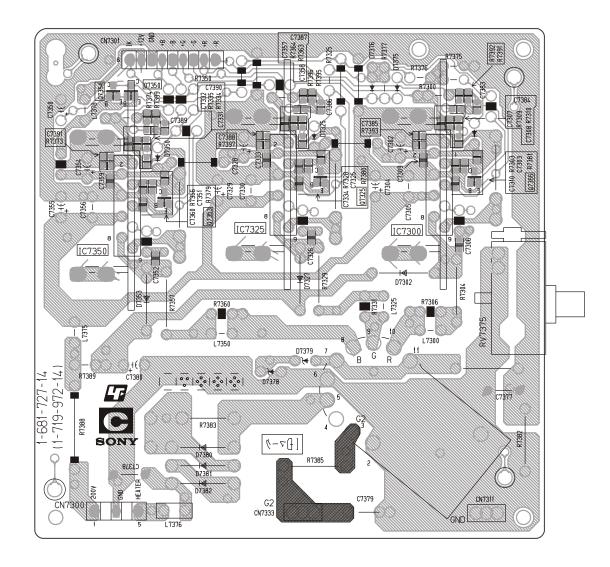
**Note :** Portions of the circuit contained within the marked areas as shown have high voltages present. Use care to prevent voltages present. Use care to prevent electric shock during inspection or repair. An Isolation Transformer must be used during any Service work to avoid possible shock hazard due to live chassis. The chassis of this receiver is directly connected to the power line.





#### ~ C Printed Wiring Board Conductor side ~

#### ~ M Printed Wiring Board Conductor side A ~



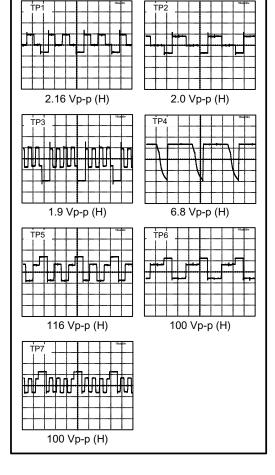
#### ~ C Board Semiconductor Voltage Table ~

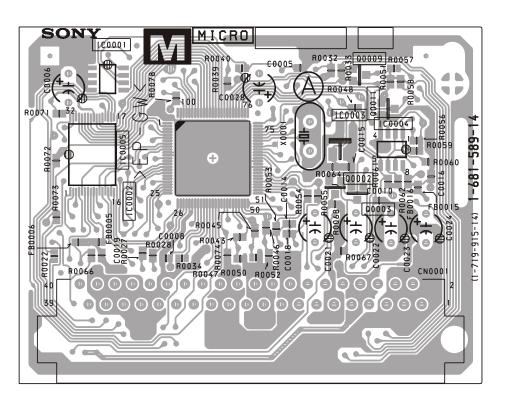
| Ref   | (e)   | (b)   | (c) |
|-------|-------|-------|-----|
| Q7350 | 12    | 11.98 | 0   |
| Q7352 | 0     | 0     | 3.8 |
| Q7353 | 0     | 0     | 3.8 |
| Q7354 | 11.98 | 12    | 0   |
| Q7355 | 0     | 0     | 3.8 |

#### ~ C Board IC Voltage Table ~

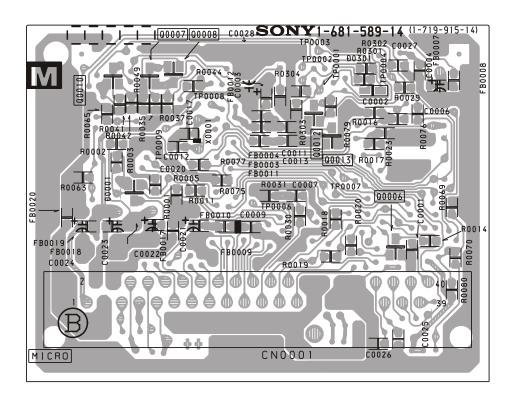
| IC Voltage Table |        |             |  |  |  |  |  |  |  |  |
|------------------|--------|-------------|--|--|--|--|--|--|--|--|
| Ref No           | Pin No | Voltage (V) |  |  |  |  |  |  |  |  |
|                  | 1      | 3.9         |  |  |  |  |  |  |  |  |
|                  | 3      | 3.8         |  |  |  |  |  |  |  |  |
|                  | 5      | 7.5         |  |  |  |  |  |  |  |  |
| IC7300           | 6      | 200         |  |  |  |  |  |  |  |  |
|                  | 7      | 140         |  |  |  |  |  |  |  |  |
|                  | 8      | 153         |  |  |  |  |  |  |  |  |
|                  | 9      | 140         |  |  |  |  |  |  |  |  |
|                  | 1      | 3.9         |  |  |  |  |  |  |  |  |
|                  | 3      | 3.8         |  |  |  |  |  |  |  |  |
|                  | 5      | 7.7         |  |  |  |  |  |  |  |  |
| IC7325           | 6      | 200         |  |  |  |  |  |  |  |  |
|                  | 7      | 140         |  |  |  |  |  |  |  |  |
|                  | 8      | 153         |  |  |  |  |  |  |  |  |
|                  | 9      | 140         |  |  |  |  |  |  |  |  |
|                  | 1      | 3.9         |  |  |  |  |  |  |  |  |
|                  | 3      | 3.8         |  |  |  |  |  |  |  |  |
|                  | 5      | 7.5         |  |  |  |  |  |  |  |  |
| IC7350           | 6      | 200         |  |  |  |  |  |  |  |  |
| 107330           | 7      | 139         |  |  |  |  |  |  |  |  |
|                  | 8      | 148         |  |  |  |  |  |  |  |  |
|                  | 9      | 138         |  |  |  |  |  |  |  |  |

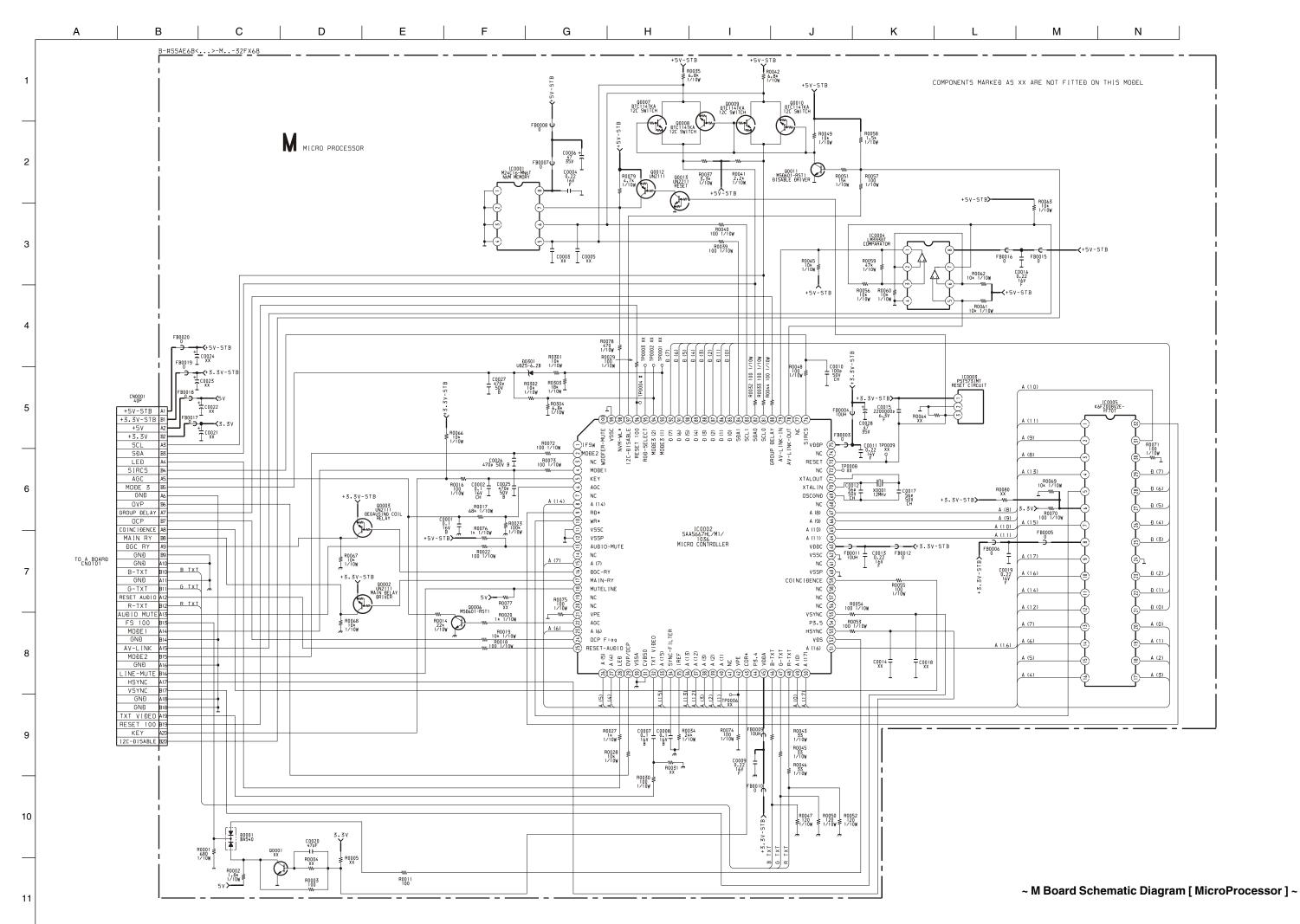
#### ~ C Board Waveforms ~

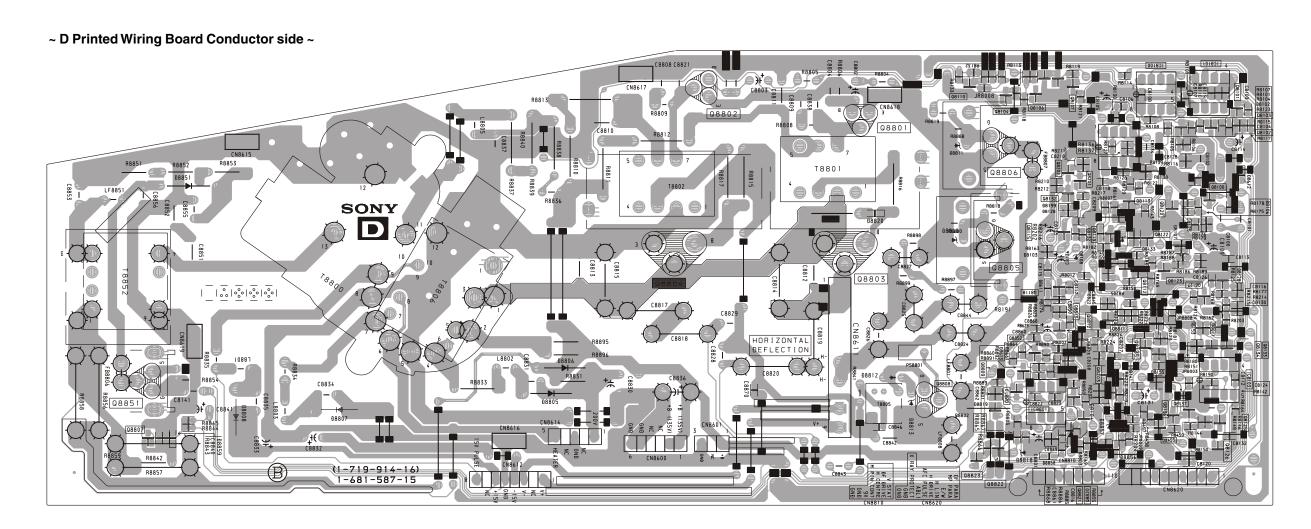




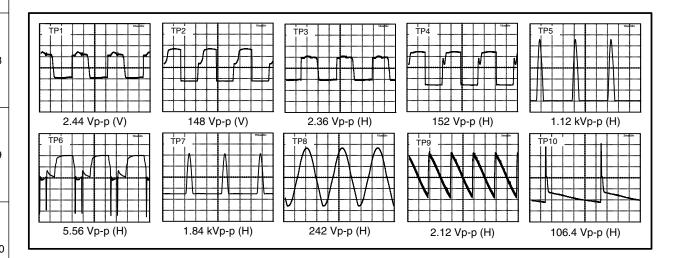
~ M Printed Wiring Board Conductor side B ~







#### ~ D Board Waveforms ~



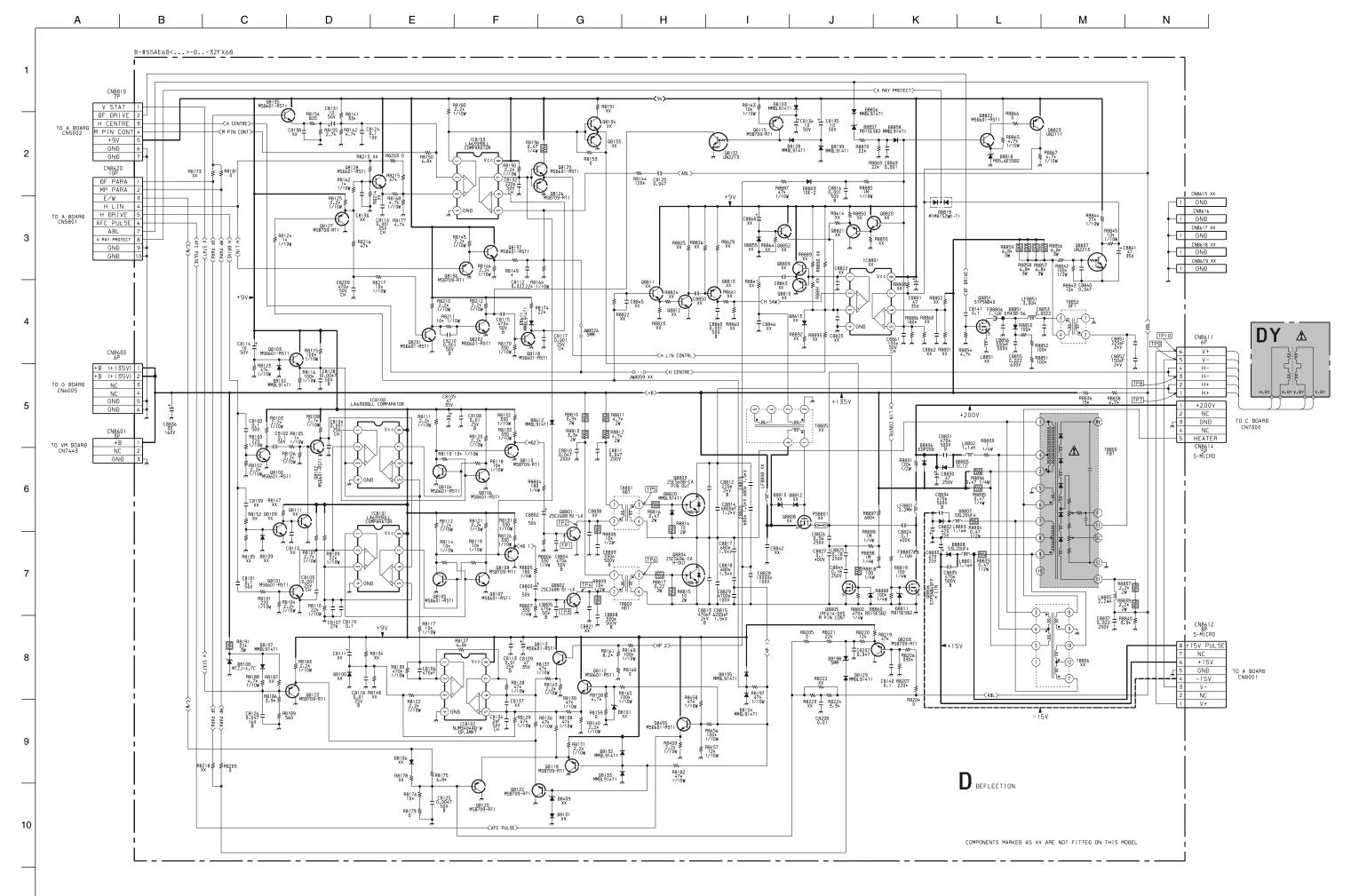
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### ~ D Board IC Voltage Table ~

| IC '   | Voltage | Table       |
|--------|---------|-------------|
| Ref No | Pin No  | Voltage (V) |
|        | 1       | 0.3         |
|        | 2       | 4.3         |
| IC8100 | 3       | 4.1         |
| 100100 | 5       | 4.1         |
|        | 6       | 3.0         |
|        | 7       | 0.4         |
|        | 1       | 0.3         |
| IC8101 | 2       | 4.3         |
|        | 3 5     | 4.4         |
| 100101 |         | 4.4         |
|        | 6       | 3.0         |
|        | 7       | 0.4         |
|        | 1       | 4.1         |
|        | 2       | 0.4         |
| IC8102 | 3       | 0.4         |
| 100102 | 5       | 0.4         |
|        | 6       | 0.4         |
|        | 7       | 0.4         |
|        | 1       | 2.5         |
|        | 2       | 2.1         |
| IC8103 | 3       | 1.7         |
| 100103 | 5       | 1.6         |
|        | 6       | 1.0         |
|        | 7       | 1.1         |

#### ~ D Board Semiconductor Voltage Table ~

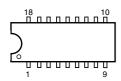
| Ref   | (e)(s) | (b)(g) | (c)(d) |
|-------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|
| Q8100 | 0      | 0.6    | 3.6    | Q8110 | 2.4    | 3.1    | 0      | Q8128 | 3.4    | 1.5    | 8.9    | Q8801 | 0      | 0.4    | 64.7   |
| Q8101 | 0      | 0.6    | 4.3    | Q8113 | 0.3    | 0.2    | 8.9    | Q8132 | 0      | 0      | 3.4    | Q8802 | 0      | 0.4    | 73.2   |
| Q8102 | 0      | 0.3    | 4.3    | Q8115 | 8.6    | 8.9    | 0      | Q8135 | 2.6    | 3.2    | 8.9    | Q8807 | 0      | 6.3    | 0      |
| Q8103 | 4.0    | 0      | 8.9    | Q8118 | 0      | 0      | 5.0    | Q8136 | 2.5    | 1.8    | 0      | Q8818 | 0      | 0      | 5.0    |
| Q8104 | 0      | 0.4    | 3.1    | Q8119 | 0.7    | 1.4    | 0      | Q8137 | 1.8    | 2.5    | 8.9    | Q8822 | 5.5    | 4.9    | 0      |
| Q8105 | 0      | 0.4    | 3.2    | Q8120 | 0.7    | 2.3    | 0      | Q8201 | 0      | 0.6    | 3.9    | Q8823 | 8.9    | 8.5    | 0      |
| Q8106 | 0      | 0.3    | 4.3    | Q8122 | 0.5    | 1.4    | 0      | Q8202 | 0      | 0.8    | 3.4    | Q8805 | 0      | 2.5    | 33     |
| Q8107 | 0      | 0.3    | 4.2    | Q8123 | 0.5    | 1.4    | 0      | Q8203 | 1.4    | 0.9    | 0      | Q8806 | 0      | 1.2    | 135    |
| Q8108 | 2.4    | 3.2    | 0      | Q8127 | 1.4    | 1.5    | 0      | Q8455 | 1.1    | 1.7    | 8.9    | Q8851 | 0      | 5.4    | 81.5   |



11

#### 5-4. SEMICONDUCTORS

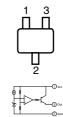
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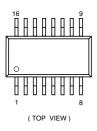
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PST573IMT



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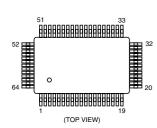
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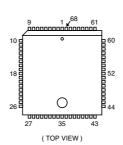
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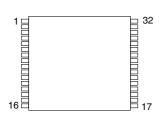
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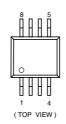
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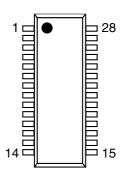
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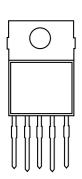
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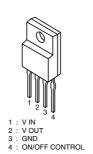
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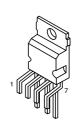
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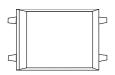
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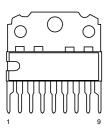
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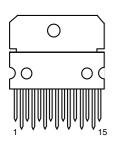
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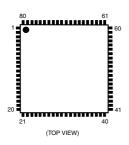
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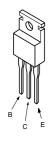
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VPS9402-A32GEG



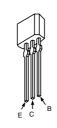
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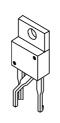
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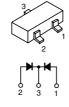
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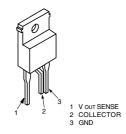
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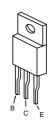
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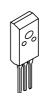
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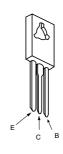
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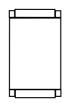
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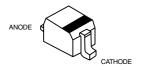
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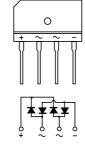
BAS216



BAS316-115 MMDL914T1 UDZSTE-176.2B



BYV98-200-RAS 15/12

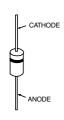


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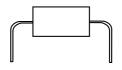
RBV-406B S1VB40

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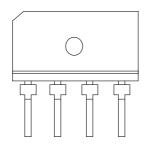
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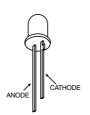
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ERA85-009 RD5.6ESB2
HZS9.1NB2 RD15ES-B2
MTZJ-13B RD39ES-B2
MTZJ-33B RD5.6ESB2
MTZJ-3.6A 1SS119-25
MTZJ-4.7C 1SS133T-77



GS1B460/45

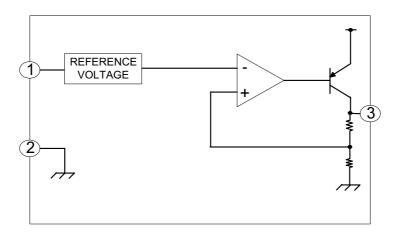


TLHK5190

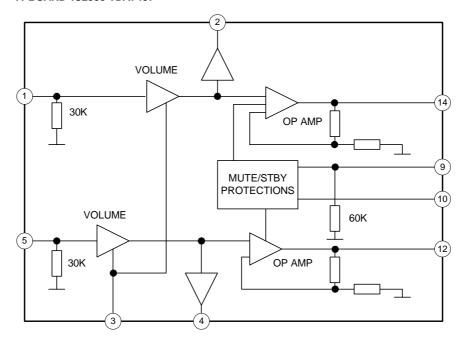


#### 5-5 IC BLOCK DIAGRAMS

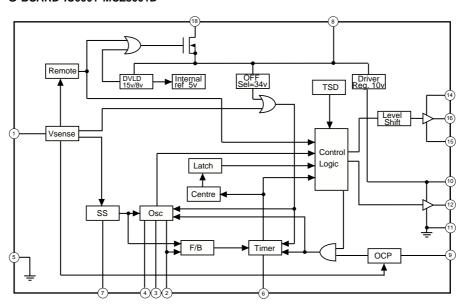
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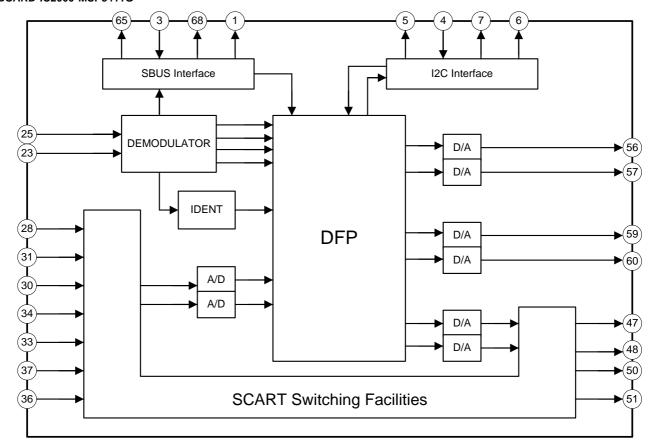
#### A BOARD IC2500 TDA7497



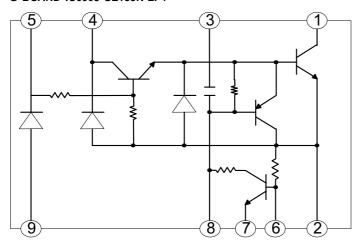
#### G BOARD IC6001 MCZ3001D



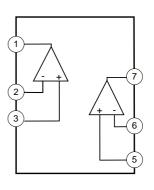
#### A BOARD IC2000 MSP3411G



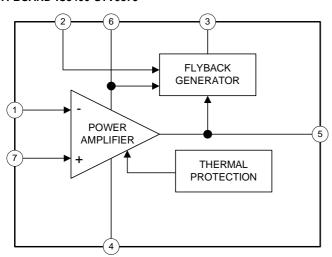
#### G BOARD IC6003 SE135N-LF4



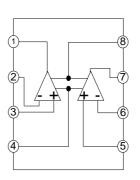
#### A BOARD IC5301/IC5302 LA6393DLL



#### A BOARD IC5400 STV9379



#### A BOARD IC5300 LM358N



## SECTION 6 EXPLODED VIEWS

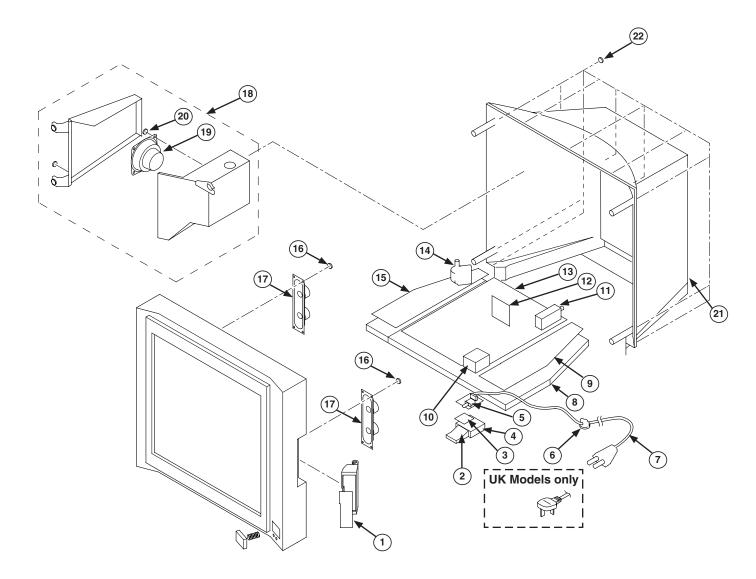
#### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Note: Les composants indentifies par une trame et par une marque △ sonte d'une importance critique pour la securite, Ne les remplacer que par des pieces du numero specifie.

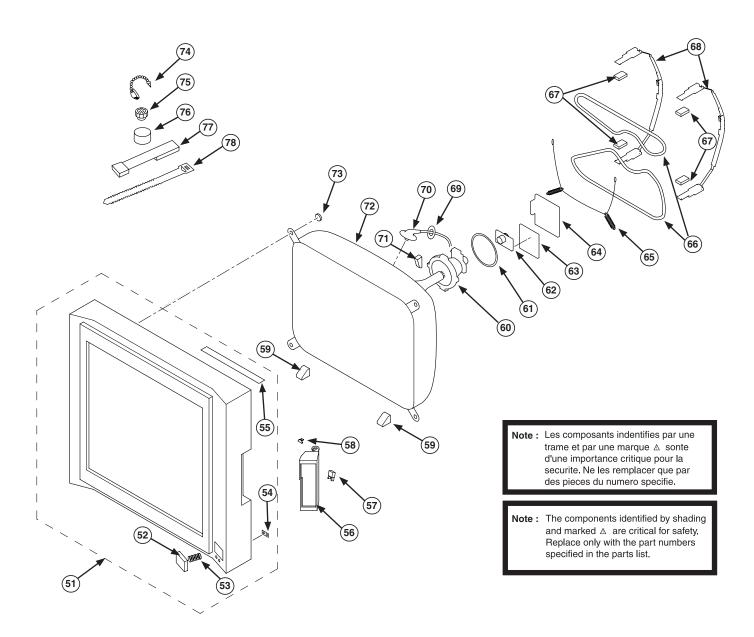
Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

#### 6-1. CHASSIS



| REF.NO | ). | PART.NO       | DESCRIPTION                | REMARK         | REF.NO. |   | PART.NO       | DESCRIPTION | REMAR               | K          |
|--------|----|---------------|----------------------------|----------------|---------|---|---------------|-------------|---------------------|------------|
| 1      |    | *A-1647-043-A | H2 BOARD, COMPLETE         |                | 12      |   | *A-1300-287-A | M BOARD, CO | MPLETE              |            |
| 2      |    | *A-1646-243-A | HI BOARD, COMPLETE         |                | 13      |   | *A-1300-288-A | A BOARD, CO | MPLETE (KV-32FX68B) |            |
| 3      |    | *A-1625-000-A | F4 BOARD, COMPLETE         |                |         |   | *A-1300-177-A | A BOARD, CO | MPLETE (KV-32FX68E/ | 32FX68K)   |
| 4      |    | *4-206-097-01 | F4, H1 BRACKET             |                |         |   | *A-1300-289-A | A BOARD, CO | MPLETE (KV-32FX68U) |            |
| 5      | £  | 1-571-433-21  | SWITCH, PUSH (AC POWER)    |                | 14      | £ | 1-453-340-41  | TRANSFORMER | ASSY FLYBACK (NX-4  | 522//Z2B4) |
| 6      |    | *4-202-531-01 | AC CORD LOCK (SC)          |                | 15      |   | *A-1300-178-A | D BOARD, CO | MPLETE              |            |
| 7      | £  | 1-783-083-11  | CORD, POWER (WITH FILTER)  | )              | 16      |   | 4-039-358-01  | SCREW (4 X  | 16), (+) BV TAPPING |            |
|        |    |               | (KV-32FX68B/32FX68E/32FX   | 68K)           | 17      |   | 1-529-408-11  | SPEAKER (4. | 2 X 24CM            |            |
|        | £  | 1-776-860-11  | POWER CORD, FILTER (UK)    | (KV-32FX68U)   | 18      |   | A-1678-221-B  | WOOFER COM  | LETE ASSY           | 19, 20     |
| 8      |    | *4-206-106-05 | BRACKET, MAIN              |                | 19      |   | 1-529-417-11  | SPEAKER (80 | M                   |            |
| 9      |    | *A-1300-179-A | G BOARD, COMPLETE          |                | 20      |   | 7-685-663-71  | SCREW +BVTF | 4 X 16 TYPE 2 IT-3  |            |
| 10     |    | 1-424-855-11  | COIL, CHOKE 29MMH          |                | 21      |   | *4-205-540-21 | REAR COVER  |                     |            |
| 11     |    | 8-598-535-20  | FRONTEND BTF-EF411 (KV-3   | 2FX68B)        | 22      |   | 7-685-663-79  | SCREW (4 X  | 16), (+) BV TAPPING |            |
|        |    | 8-598-533-10  | FRONTEND BTF-EC411 (KV-32) | FX68E/32FX68K) |         |   |               |             |                     |            |
|        |    | 8-598-529-10  | FRONTEND BTF-EU611 (KV-3   | 2FX68U)        |         |   |               |             |                     |            |

#### 6-2. PICTURE TUBE



| REF.NO. | PART.NO       | DESCRIPTION              | REMARK | REF.NO. | PA               | ART.NO      | DESCRIPTION        | REMARK       |
|---------|---------------|--------------------------|--------|---------|------------------|-------------|--------------------|--------------|
| 51      | *X-4041-375-1 | BEZNET ASSY              | 52-55  | 65      | 4                | -200-433-01 | SPRING, EXTENSION  |              |
| 52      | 4-205-699-03  | POWER, BUTTON            |        | 66 £    | £ 1              | -424-888-11 | COIL, DEGAUSSING   |              |
| 53      | 4-204-426-01  | SPRING                   |        | 67      | *4               | -203-390-11 | CUSHION, DGC       |              |
| 54      | 4-205-698-02  | GUIDE LIGHT              |        | 68      | *4               | -204-768-01 | HOLDER, DGC        |              |
| 55      | 4-204-947-01  | SHEET, BLOTTING (680)    |        | 69      | 4                | -202-693-01 | HOLDER, HV CABLE   |              |
| 56      | 4-205-696-31  | DOOR                     |        | 70 £    | f 1              | -251-374-33 | CAP ASSY, HIGH VOI | TAGE         |
| 57      | 4-047-464-01  | CATCHER, PUSH            |        | 71      | 3                | -704-495-01 | SPACER, DY         |              |
| 58      | 4-205-725-01  | DOOR SPRING              |        | 72 £    | $\mathfrak{t}$ 8 | -735-079-05 | PICTURE TUBE (W76) | LIZ060X)     |
| 59      | *4-203-098-01 | SUPPORTER, CRT           |        | 73      | 4                | -046-765-12 | SCREW, TAPPING 7+  | CROWN WASHER |
| 60 £    | 1-451-520-31  | DEFLECTION YOKE (Y32RVC) | 3)     | 74      | 4                | -308-870-00 | CLIP, LEAD WIRE    |              |
| 61      | 1-419-363-11  | COIL, NA ROTATION        |        | 75      | 1                | -452-094-00 | MAGNET, ROTATABLE  | DISK; 15MMØ  |
| 62      | 8-453-011-11  | NECK ASSY NA299-M        |        | 76      | 1                | -425-032-00 | MAGNET, DISK; 10M  | ΜØ           |
| 63      | *A-1300-626-A | VM BOARD, COMPLETE       |        | 77      | Х                | -4387-214-1 | PERMALLOY ASSY, CO | ORRECTION    |
| 64      | *A-1300-532-A | C BOARD, COMPLETE        |        | 78      | 3                | -701-007-00 | BAND BINDING       |              |
|         |               |                          |        |         |                  |             |                    |              |

# SECTION 7 ELECTRICAL PARTS LIST

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| (KV-32FX68B):                |   | 63   |
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**Note:** Refer to the designated variant parts list when seeking a part indicated by an asterisk (\*) Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.



| REF.NO.  | PART.NO                  | DESCRIPTION    | ON            | REMARK                   | REF.NO. | PART.NO      | DESCRIPTION           | REMARK                   |
|--|--------------------------|----------------|---------------|--------------------------|---------|--------------|-----------------------|--------------------------|
| * A-13   | 00-288-A                 | A Board, com   | plete (KV-    | 32FX68B)                 | C2039   | 1-162-906-11 | CERAMC CHIP 1.5PF     | 0.25PF 50V               |
| * A-13   | 00-177-A                 | A Board, com   |               |                          | C2040   | 1-162-964-11 | CERAMIC CHIP 0.001UF  | 10.00% 50V               |
|  |                          |                |               | 32FX68K)                 | C2041   | 1-162-906-11 | CERAMIC CHIP 1.5PF    | 0.25PF 50V               |
| * A-130  | 0-289-A                  | A Board, com   | iplete (KV-   | 32FX68U)                 | C2042   | 1-216-864-11 | SHORT CHIP 0          |                          |
| A Boa  | rd Commo                 | on Parts       |               |                          | C2043   | 1-162-962-11 | CERAMIC CHIP 470PF    | 10.00% 50V               |
|  |                          |                | 2) P (III ( ) |                          | C2044   | 1-163-021-91 | CERAMIC CHIP 0.01UF   | 10.00% 50V               |
|  | 4-382-854-               | 01 SCREW (MBX8 | 8), P, SW (+) |                          | C2046   | 1-162-923-11 | CERAMIC CHIP 47PF     | 5.00% 50V                |
|  | CID                      | ACTROD         |               |                          | C2047   | 1-162-927-11 | CERAMIC CHIP 100PF    | 5.00% 50V                |
|  | < CAP                    | ACITOR >       |               |                          | C2048   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C1 001   | 1 100 000                | 11 PLEOT       | 100IT         | 00 000/ 101/             | C2049   | 1-162-925-11 | CERAMIC CHIP 68PF     | 5.00% 50V                |
| C1001<br>C1002   | 1-126-933-               |                | 100UF<br>10UF | 20.00% 16V               |         |              |                       |                          |
| C1002<br>C1004   | 1-126-964-<br>1-163-021- |                |               | 20.00% 50V<br>10.00% 50V | C2050   | 1-107-823-11 | CERAMIC CHIP 0.47UF   | 10.00% 16V               |
| C1004<br>C1006   | 1-105-021-               |                | 100UF         | 20.00% 16V               | C2051   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V               |
| C1008  | 1-120-955-               |                |               | 10.00% 50V               | C2052   | 1-164-004-11 | CERAMC CHIP 0.1UF     | 10.00% 25V               |
| C1000  | 1-105-021-               | 51 CERMINE CH  | 11 0.0101     | 10.00/0 301              | C2053   | 1-164-227-11 | CERAMC CHIP 0.022UF   | 10.00% 25V               |
| C1009  | 1-162-925-               | 11 CERAMIC CH  | LD GODE       | 5.00% 50V                | C2054   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C1003  | 1-162-925-               |                |               | 5.00% 50V<br>5.00% 50V   |         |              |                       |                          |
| C1014  | 1-126-933-               |                | 100UF         | 20. 00% 16V              | C2055   | 1-162-968-11 | CERAMC CHIP 0.0047UF  | 10.00% 50V               |
| C1014  | 1-163-021-               |                |               | 10. 00% 50V              | C2057   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V               |
| C1018  | 1-115-340-               |                |               | 10.00% 25V               | C2058   | 1-164-004-11 | CERAMC CHIP 0.1UF     | 10.00% 25V               |
| 01010  | 1 110 010                |                |               | 10.00% 201               | C2059   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V               |
| C1020  | 1-164-004-               | 11 CERAMC CH   | TP 0.1UF      | 10.00% 25V               | C2060   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C1021  | 1-162-968-               |                |               | 10.00% 50V               | 00001   | 1 100 000 11 |                       | 10 000/ 5017             |
| C1022  | 1-216-295-               |                |               |                          | C2061   | 1-162-968-11 | CERAMIC CHIP 0.0047UF | 10.00% 50V               |
| C2000  | 1-162-968-               |                |               | 10.00% 50V               | C2062   | 1-164-346-11 | CERAMIC CHIP 1UF      | 16V                      |
| C2001  | 1-162-968-               |                |               | 10.00% 50V               | C2063   | 1-164-346-11 | CERAMC CHIP 1UF       | 16V                      |
|  |                          |                |               |                          | C2064   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V               |
| C2006  | 1-162-962-               | 11 CERAMC CH   | IP 470PF      | 10.00% 50V               | C2065   | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% 50V               |
| C2007  | 1-163-021-               | 91 CERAMC CH   | IP 0.01UF     | 10.00% 50V               | C2066   | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% 50V               |
| C2008  | 1-162-964-               | 11 CERAMC CH   | IP 0.001UF    | 10.00% 50V               | C2069   | 1-102-900-11 | CERAMIC CHIP 0.00220F | 10.00% 50V<br>10% 16V    |
| C2009  | 1-163-021-               | 91 CERAMIC CH  | IP 0.01UF     | 10.00% 50V               | C2009   | 1-127-715-91 | ELECT 1UF             | 20. 00% 50V              |
| C2010  | 1-162-964-               | 11 CERAMC CH   | IP 0.001UF    | 10.00% 50V               | C2073   | 1-120-900-11 | ELECT 1UF             | 20.00% 50V<br>20.00% 50V |
|  |                          |                |               |                          | C2074   | 1-126-960-11 | ELECT 1UF             | 20.00% 50V<br>20.00% 50V |
| C2011  | 1-162-962-               | 11 CERAMC CH   | IP 470PF      | 10.00% 50V               | 02013   | 1-120-300-11 | ELECT TOP             | 20.00/0 301              |
| C2012  | 1-162-962-               | 11 CERAMC CH   | IP 470PF      | 10.00% 50V               | C2077   | 1-126-960-11 | ELECT 1UF             | 20.00% 50V               |
| C2013  | 1-162-962-               |                |               | 10.00% 50V               | C2078   | 1-126-963-11 | ELECT 4.7UF           | 20.00% 50V               |
| C2014  | 1-164-346-               |                |               | 16V                      | C2079   | 1-164-004-11 | CERAMC CHIP 0.1UF     | 10.00% 25V               |
| C2015  | 1-163-021-               | 91 CERAMIC CH  | IP 0.01UF     | 10.00% 50V               | C2080   | 1-162-927-11 | CERAMC CHIP 100PF     | 5. 00% 50V               |
|  |                          |                |               |                          | C2081   | 1-162-928-11 | CERAMC CHIP 120PF     | 5. 00% 50V               |
| C2016  | 1-162-962-               |                |               | 10.00% 50V               |         |              |                       |                          |
| C2018  | 1-162-962-               |                |               | 10.00% 50V               | C2082   | 1-216-864-11 | SHORT CHIP 0          |                          |
| C2019  | 1-164-346-               |                |               | 16V                      | C2083   | 1-162-964-11 | CERAMIC CHIP 0.001UF  | 10.00% 50V               |
| C2021  | 1-162-962-               |                |               | 10.00% 50V               | C2084   | 1-162-962-11 | CERAMIC CHIP 470PF    | 10.00% 50V               |
| C2022  | 1-162-966-               | 11 CERAMIC CH  | LP 0.0022UF   | 10.00% 50V               | C2085   | 1-163-021-91 | CERAMIC CHIP 0.01UF   | 10.00% 50V               |
| C0000  | 1 100 000                | 11 CEDANTO CIT | TD O OOOTT    | 10 000/ 701/             | C2086   | 1-162-964-11 | CERAMIC CHIP 0.001UF  | 10.00% 50V               |
| C2023  | 1-162-966-               |                |               | 10.00% 50V               |         |              |                       |                          |
| C2024  | 1-164-346-               |                |               | 16V                      | C2087   | 1-163-021-91 | CERAMC CHIP 0.01UF    | 10.00% 50V               |
| C2026  | 1-162-962-               |                |               | 10.00% 50V               | C2088   | 1-162-964-11 | CERAMC CHIP 0.001UF   | 10.00% 50V               |
| C2027  | 1-126-947-               |                | 47UF          | 20.00% 35V               | C2089   | 1-162-962-11 | CERAMC CHIP 470PF     | 10.00% 50V               |
| C2028  | 1-126-947-               | 11 ELECT       | 47UF          | 20.00% 35V               | C2090   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| $C_2 \cap C_2 \cap C_3 \cap C_4 \cap C_5 \cap C_5 \cap C_6 $ | 1 104 940                | 11 CEDANTO OTT | ID 1IT        | 100                      | C2091   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C2029  | 1-164-346-               |                |               | 16V                      |         |              |                       |                          |
| C2031  | 1-162-962-               |                |               | 10.00% 50V               | C2092   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C2034  | 1-164-346-               |                |               | 16V                      | C2093   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| C2035<br>C2038   | 1-164-346-<br>1-162-970- |                |               | 16V<br>10.00% 25V        | C2094   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
| しんひろり  | 1-10%-910-               | TI OLIMINIC CH | II U.UIUF     | 10.00/0 231              | C2095   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V               |
|  |                          |                |               |                          | C2096   | 1-162-970-11 | CERAMC CHIP 0.01UF    | 10.00% 25V               |



| REF.NO. | PART.NO      | DESCRIPTION            | REMARK            | REF.NO. | PART.NO      | DESCRIPTION           | REMARK             |
|---------|--------------|------------------------|-------------------|---------|--------------|-----------------------|--------------------|
| C2500   | 1-126-952-11 | ELECT 1000UF           | 20.00% 35V        | C3236   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C2502   | 1-104-666-11 | ELECT 220UF            | 20. 00% 25V       | C3237   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C2504   | 1-164-222-91 | CERAMIC CHIP 0. 22UF   | 25V               | C3238   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C2504   | 1-104-222-91 | CERAMIC CHIP 0.220F    | 25V<br>10.00% 50V | C3239   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
|         |              |                        |                   |         |              |                       |                    |
| C2506   | 1-126-972-11 | ELECT 1000UF           | 20.00% 50V        | C3240   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C2507   | 1-164-230-11 | CERAMIC CHIP 220PF     | 5.00% 50V         | C3241   | 1-126-933-11 | ELECT 100UF           | 20.00% 16V         |
| C2508   | 1-164-230-11 | CERAMIC CHIP 220PF     | 5.00% 50V         | C3242   | 1-162-970-11 | CERAMIC CHIP 0.01UF   | 10.00% 25V         |
| C2509   | 1-164-230-11 | CERAMIC CHIP 220PF     | 5.00% 50V         | C3243   | 1-164-222-91 | CERAMIC CHIP 0.22UF   | 25V                |
| C2510   | 1-164-227-11 | CERAMIC CHIP 0.022UF   | 10.00% 25V        | C3245   | 1-163-251-11 | CERAMIC CHIP 100PF    | 5.00% 50V          |
| C2511   | 1-163-021-91 | CERAMIC CHIP 0.01UF    | 10.00% 50V        | C3250   | 1-163-021-91 | CERAMIC CHIP 0.01UF   | 10.00% 50V         |
| C2512   | 1-163-021-91 | CERAMC CHIP 0.01UF     | 10.00% 50V        | C3300   | 1-163-251-11 | CERAMC CHIP 100PF     | 5.00% 50V          |
| C2512   | 1-103-021-31 | ELECT 1000UF           | 20. 00% 35V       | C3309   | 1-105-251-11 | ELECT 10UF            | 20. 00% 50V        |
|         |              | CERAMIC CHIP 0.022UF   |                   |         |              | CERAMIC CHIP 0.22UF   | 20. 00% 50V<br>25V |
| C2515   | 1-164-227-11 |                        | 10.00% 25V        | C3310   | 1-164-222-91 |                       |                    |
| C2516   | 1-126-953-11 | ELECT 2200UF           | 20.00% 35V        | C5103   | 1-126-960-11 | ELECT 1UF             | 20.00% 50V         |
| C2517   | 1-126-960-11 | ELECT 1UF              | 20.00% 50V        | C5106   | 1-126-933-11 | ELECT 100UF           | 20.00% 16V         |
| C2518   | 1-126-960-11 | ELECT 1UF              | 20.00% 50V        | C5109   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C2519   | 1-126-959-11 | ELECT 0.47UF           | 20.00% 50V        | C5110   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V         |
| C2521   | 1-164-489-11 | CERAMC CHIP 0.22UF     | 10.00% 16V        | C5111   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C2523   | 1-115-339-11 | CERAMIC CHIP 0.1UF     | 10.00% 50V        | C5112   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C3200   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5114   | 1-164-156-11 | CERAMC CHIP 0.1UF     | 25V                |
|         |              |                        |                   |         |              |                       |                    |
| C3202   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5115   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C3203   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5117   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C3206   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5118   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3208   | 1-163-235-11 | CERAMIC CHIP 22PF      | 5.00% 50V         | C5119   | 1-107-823-11 | CERAMIC CHIP 0.47UF   | 10.00% 16V         |
| C3209   | 1-163-235-11 | CERAMIC CHIP 22PF      | 5.00% 50V         | C5120   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C3210   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5121   | 1-165-176-11 | CERAMC CHIP 0.047UF   | 10.00% 16V         |
| C3211   | 1-126-964-11 | ELECT 10UF             | 20.00% 50V        | C5122   | 1-164-156-11 | CERAMC CHIP 0.1UF     | 25V                |
| C3213   | 1-164-222-91 | CERAMC CHIP 0. 22UF    | 25V               | C5124   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3214   | 1-164-222-91 | CERAMIC CHIP 0. 22UF   | 25V               | C5125   | 1-126-964-11 | ELECT 10UF            | 20.00% 50V         |
| C3214   | 1-164-222-91 | CERAMIC CHIP 0. 22UF   | 25V<br>25V        | C5300   | 1-126-933-11 | ELECT 100F            | 20. 00% 16V        |
| 03213   | 1 104 222 01 | CLIVIVIC CITT 0. 2201  | 234               | 03300   | 1 120 555 11 | LLLC1 1000I           | 20.00/0 100        |
| C3216   | 1-164-222-91 | CERAMIC CHIP 0.22UF    | 25V               | C5301   | 1-126-947-11 | ELECT 47UF            | 20.00% 35V         |
| C3217   | 1-164-222-91 | CERAMC CHIP 0.22UF     | 25V               | C5302   | 1-164-222-91 | CERAMIC CHIP 0.22UF   | 25V                |
| C3218   | 1-164-222-91 | CERAMC CHIP 0.22UF     | 25V               | C5303   | 1-136-153-00 | FILM 0.01UF           | 5.00% 50V          |
| C3219   | 1-164-222-91 | CERAMIC CHIP 0.22UF    | 25V               | C5304   | 1-164-182-11 | CERAMIC CHIP 0.0033UF | 10.00% 50V         |
| C3220   | 1-164-222-91 | CERAMIC CHIP 0.22UF    | 25V               | C5305   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C3221   | 1-164-222-91 | CERAMC CHIP 0.22UF     | 25V               | C5306   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3222   | 1-104-222-91 | CERAMIC CHIP 0. 22UF   | 25V<br>25V        | C5307   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V<br>25V         |
| C3223   | 1-104-222-91 | CERAMIC CHIP 0. 22UF   | 25V<br>25V        | C5307   | 1-162-927-11 | CERAMIC CHIP 100PF    | 5. 00% 50V         |
|         | 1-104-222-91 |                        |                   |         |              |                       |                    |
| C3224   |              | CERAMIC CHIP 0. 22UF   | 25V               | C5310   | 1-136-165-00 | FILM 0.1UF            | 5.00% 50V          |
| C3225   | 1-164-222-91 | CERAMC CHIP 0.22UF     | 25V               | C5311   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3226   | 1-164-222-91 | CERAMIC CHIP 0.22UF    | 25V               | C5312   | 1-165-176-11 | CERAMIC CHIP 0.047UF  | 10.00% 16V         |
| C3227   | 1-164-222-91 | CERAMIC CHIP 0.22UF    | 25V               | C5313   | 1-107-714-11 | ELECT 10UF            | 20.00% 50V         |
| C3228   | 1-164-489-11 | CERAMC CHIP 0.22UF     | 10.00% 16V        | C5314   | 1-162-970-11 | CERAMIC CHIP 0.01UF   | 10.00% 25V         |
| C3229   | 1-164-489-11 | CERAMC CHIP 0.22UF     | 10.00% 16V        | C5316   | 1-164-230-11 | CERAMC CHIP 220PF     | 5.00% 50V          |
| C3230   | 1-164-489-11 | CERAMIC CHIP 0.22UF    | 10.00% 16V        | C5318   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3231   | 1-164-489-11 | CERAMIC CHIP 0.22UF    | 10.00% 16V        | C5319   | 1-136-347-11 | FILM 0.0047UF         | 5.00% 630V         |
| C3232   | 1-164-489-11 | CERAMIC CHIP 0. 22UF   | 10.00% 16V        | C5320   | 1-129-716-00 | FILM 0.015UF          | 5. 00% 630V        |
| C3233   | 1-164-489-11 | CERAMIC CHIP 0. 22UF   | 10.00% 16V        | C5321   | 1-136-347-11 | FILM 0.0047UF         | 5. 00% 630V        |
| C3234   | 1-164-489-11 | CERAMIC CHIP 0. 22UF   | 10.00% 16V        | C5321   | 1-164-156-11 | CERAMIC CHIP 0.1UF    | 25V                |
| C3235   | 1-165-176-11 | CERAMIC CHIP 0. 047UF  | 10.00% 16V        | C5323   | 1-136-159-00 | FILM 0.033UF          | 5. 00% 50V         |
| CJLJJ   | 1-103-170-11 | CERTAIN CHILL O' 04/0L | 10.00/0 101       | (J)223  | 1-130-133-00 | 1.1TM 0.000L          | J. 00/0 JUV        |



| REF.NO.        | PART.NO      | DESCRIPTION   |          | REMA                  | .RK   | REF.NO. | PART.NO        | DESCRIPTION   | V            | REM     | ARK  |
|----------------|--------------|---------------|----------|-----------------------|-------|---------|----------------|---------------|--------------|---------|------|
| C5400          | 1-126-964-11 | ELECT         | 10UF     | 20.00%                | 50V   | C6214   | 1-126-933-11   | ELECT         | 100UF        | 20.00%  | 16V  |
| C5401          | 1-107-714-11 | ELECT         | 10UF     | 20.00%                |       | C7002   | 1-126-947-11   | ELECT         | 47UF         | 20.00%  |      |
| C5403          | 1-128-527-11 | ELECT         | 330UF    | 20.00%                |       | C7004   | 1-164-222-91   | CERAMC CHIE   |              | 20.0070 | 25V  |
| C5404          | 1-102-228-00 | CERAMC        | 470PF    | 10.00%                |       | C7004   | 1-162-919-11   | CERAMIC CHIE  |              | 5.00%   |      |
| C5404<br>C5405 | 1-163-021-91 | CERAMC CHIP   |          | 10.00%                |       | C7008   | 1-102-313-11   | CERAMIC CHIL  |              | 10.00%  |      |
| C34U3          | 1-105-021-91 | CERAIVIC CHIP | U. UI UF | 10.00%                | 3UV   | C/010   | 1-107-823-11   | CERAIVIC CHIE | 0.47Uf       | 10.00%  | 101  |
| C5406          | 1-129-702-00 | MYLAR         | 0.001UF  | 10.00%                | 400V  | C7018   | 1-164-004-11   | CERAMC CHIE   | 0.1UF        | 10.00%  | 25V  |
| C5407          | 1-128-527-11 | ELECT         | 330UF    | 20.00%                | 25V   | C7019   | 1-164-004-11   | CERAM C CHI I | 0.1UF        | 10.00%  | 25V  |
| C5409          | 1-126-968-11 | ELECT         | 100UF    | 20.00%                | 50V   | C7020   | 1-164-004-11   | CERAMIC CHIE  | 0.1UF        | 10.00%  | 25V  |
| C5410          | 1-163-021-91 | CERAMC CHIP   |          | 10.00%                |       | C7021   | 1-164-004-11   | CERAMC CHIE   |              | 10.00%  | 25V  |
| C5411          | 1-137-401-11 | MYLAR         | 0. 22UF  | 5.00%                 |       | C7022   | 1-164-004-11   | CERAMC CHIE   |              | 10.00%  |      |
|                | 1 10, 101 11 | 1/111111      |          |                       |       | 0.022   |                |               |              |         |      |
| C5412          | 1-106-220-00 | MYLAR         | 0.1UF    | 10.00%                |       | C7023   | 1-164-004-11   | CERAMC CHIE   |              | 10.00%  |      |
| C5413          | 1-130-785-11 | MYLAR         | 0.47UF   | 5.00%                 | 100V  | C7030   | 1-164-004-11   | CERAMIC CHIE  | 0.1UF        | 10.00%  | 25V  |
| C5414          | 1-126-964-11 | ELECT         | 10UF     | 20.00%                | 50V   | C7031   | 1-164-004-11   | CERAMIC CHIL  | 0.1UF        | 10.00%  | 25V  |
| C5801          | 1-126-963-11 | ELECT         | 4.7UF    | 20.00%                | 50V   | C7032   | 1-164-004-11   | CERAMIC CHIE  | 0.1UF        | 10.00%  | 25V  |
| C5850          | 1-126-963-11 | ELECT         | 4.7UF    | 20.00%                | 50V   | C7038   | 1-107-823-11   | CERAMC CHIE   | 0.47UF       | 10.00%  | 16V  |
| Grora          | 1 107 000 11 | OEDINE OUED   | 0.4110   | 10.000/               | 4.017 | 07000   | 1 100 000 11   | CEDANIC CITI  |              | 10.000/ | FOLI |
| C5851          | 1-107-826-11 | CERAMC CHIP   |          | 10.00%                |       | C7039   | 1-162-966-11   | CERAMC CHIE   |              | 10.00%  |      |
| C5853          | 1-162-970-11 | CERAMC CHIP   |          | 10.00%                |       | C7050   | 1-162-927-11   | CERAMC CHII   |              | 5.00%   |      |
| C5854          | 1-107-826-11 | CERAMC CHIP   |          | 10.00%                |       | C7051   | 1-164-004-11   | CERAMC CHIL   |              | 10.00%  |      |
| C5858          | 1-107-826-11 | CERAMIC CHIP  |          | 10.00%                |       | C7052   | 1-164-004-11   | CERAMC CHIE   |              | 10.00%  |      |
| C5859          | 1-126-960-11 | ELECT         | 1UF      | 20.00%                | 50V   | C7053   | 1-164-004-11   | CERAMIC CHIE  | 0.1UF        | 10.00%  | 25V  |
| C5860          | 1-165-176-11 | CERAMC CHIP   | 0.047UF  | 10.00%                | 16V   | C7054   | 1-126-963-11   | ELECT         | 4. 7UF       | 20.00%  | 50V  |
| C5868          | 1-164-004-11 | CERAMC CHIP   |          | 10.00%                |       | C7055   | 1-164-222-91   | CERAMC CHIE   |              |         | 25V  |
| C5872          | 1-164-346-11 | CERAMC CHIP   |          |                       | 16V   | C7056   | 1-126-933-11   | ELECT         | 100UF        | 20.00%  |      |
| C5873          | 1-163-251-11 | CERAMC CHIP   |          | 5.00%                 |       | C7057   | 1-164-222-91   | CERAMC CHIE   |              | 20.0070 | 25V  |
| C5888          | 1-164-156-11 | CERAMC CHIP   |          |                       | 25V   | C7058   | 1-126-933-11   | ELECT         | 100UF        | 20.00%  |      |
| 03000          | 1 104 130 11 | CLIVIVIC CITT | 0.101    | ,                     | 201   | 01000   | 1 120 000 11   | LLLOI         | 10001        | 20.00/0 | 101  |
| C5889          | 1-126-964-11 | ELECT         | 10UF     | 20.00%                | 50V   | C7059   | 1-126-933-11   | ELECT         | 100UF        | 20.00%  | 16V  |
| C5890          | 1-164-227-11 | CERAMC CHIP   | 0.022UF  | 10.00%                | 25V   | C7060   | 1-164-222-91   | CERAMIC CHIE  | 0.22UF       |         | 25V  |
| C5891          | 1-137-581-11 | FILM          | 0.1UF    | 5.00%                 | 100V  | C7061   | 1-164-004-11   | CERAMIC CHIE  | 0.1UF        | 10.00%  | 25V  |
| C5892          | 1-107-826-11 | CERAMIC CHIP  | 0.1UF    | 10.00%                | 16V   | C7062   | 1-164-004-11   | CERAMC CHIL   | 0.1UF        | 10.00%  | 25V  |
| C5893          | 1-126-947-11 | ELECT         | 47UF     | 20.00%                |       | C7063   | 1-164-004-11   | CERAMC CHIE   | 0.1UF        | 10.00%  |      |
| aroo t         | 4 400 047 44 | DI DOT        | ACTE     | 00 000/               | OFIL  | 07004   | 1 100 047 11   | DI DOM        | 4 CT TO      | 00 000/ | OFT  |
| C5894          | 1-126-947-11 | ELECT         | 47UF     | 20.00%                |       | C7064   | 1-126-947-11   | ELECT         | 47UF         | 20.00%  |      |
| C5895          | 1-164-156-11 | CERAMC CHIP   |          |                       | 25V   | C7065   | 1-164-222-91   | CERAMC CHIE   |              |         | 25V  |
| C5896          | 1-165-176-11 | CERAMC CHIP   |          | 10.00%                |       | C7067   | 1-126-947-11   | ELECT         | 47UF         | 20.00%  |      |
| C5897          | 1-162-970-11 | CERAMC CHIP   |          | 10.00%                |       | C7068   | 1-164-222-91   | CERAMC CHIL   |              |         | 25V  |
| C5898          | 1-162-964-11 | CERAMC CHIP   | 0.001UF  | 10.00%                | 50V   | C7069   | 1-162-919-11   | CERAMC CHIE   | 22PF         | 5.00%   | 50V  |
| C5899          | 1-107-823-11 | CERAMC CHIP   | 0.47UF   | 10.00%                | 16V   | C7070   | 1-162-919-11   | CERAMC CHIE   | 22PF         | 5.00%   | 50V  |
| C6200          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                | 16V   | C7071   | 1-162-919-11   | CERAMC CHIE   | 22PF         | 5.00%   | 50V  |
| C6201          | 1-126-935-11 | ELECT         | 470UF    | 20.00%                |       |         |                |               |              |         |      |
| C6202          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       |         | < CONNECT      | OR >          |              |         |      |
| C6203          | 1-126-935-11 | ELECT         | 470UF    | 20.00%                |       |         | · contact      |               |              |         |      |
| 00200          | 1 120 000 11 | LLLICT        | 17001    | 20.0070               | 101   | CN0101  | * 1-823-330-11 | CONNECTOR, I  | SOARD TO BOA | ARD 40P |      |
| C6204          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                | 16V   | CN0102  | * 1-564-520-11 | PLUG, CONNEC  |              |         |      |
| C6205          | 1-126-935-11 | ELECT         | 470UF    | 20.00%                |       | CN0103  | * 1-817-035-61 | PLUG, CONNEC  |              |         |      |
| C6206          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       | CN1000  | * 1-770-130-11 | CONNECTOR (S  |              | 21P     |      |
| C6207          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       | CN1001  | * 1-766-296-21 | CONNECTOR, I  |              | ~       |      |
| C6208          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       | 0111001 | 1 100 200-21   | COLUMN TOTAL  | OLIL DOUBLE  |         |      |
| OULUU          | 1 160 000-11 | THE L         | 10001    | <b>&amp;U.</b> UU/U . | 101   | CN2000  | * 1-564-512-11 | PLUG, CONNEC  | TOR 9P       |         |      |
| C6209          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                | 16V   | CN2500  | * 1-816-974-51 | PLUG, CONNEC  | TOR 3P       |         |      |
| C6210          | 1-126-935-11 | ELECT         | 470UF    | 20.00%                |       | CN2501  | * 1-564-507-11 | PLUG, CONNEC  |              |         |      |
| C6211          | 1-126-947-11 | ELECT         | 47UF     | 20.00%                |       | CN2502  | * 1-816-977-51 | PLUG, CONNEC  |              |         |      |
| C6212          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       | CN5002  | * 1-816-984-71 | PLUG, CONNEC  |              |         |      |
| C6213          | 1-126-933-11 | ELECT         | 100UF    | 20.00%                |       | 210002  | 1 510 001 11   | 1200, OUTUL   |              |         |      |
| 00610          | 1 120 000 11 | IIIIV1        | 10001    | ≈U. UU/U .            | 101   |         |                |               |              |         |      |



| REF.NO.          | PART.NO                      | DESCRIPTION                           | REMARK   | REF.NO.          | PART.NO                      | DESCRIPTION                   | REMARK     |
|------------------|------------------------------|---------------------------------------|----------|------------------|------------------------------|-------------------------------|------------|
| CN5100           | * 1-816-974-51               | PLUG, CONNECTOR 3P                    |          | D5306            | 8-719-302-43                 | DIODE EL1Z                    |            |
| CN5801           | 1-764-333-11                 | PIN, CONNECTOR(PCB) (V TYPE           | 1) 1 N P | D5307            | 8-719-987-87                 | DIODE ERAS5-009               |            |
| CN6200           | * 1-564-507-11               | PLUG, CONNECTOR 4P                    | 1) 101   | D5307            | 8-719-081-97                 | DIODE MMDL914T1               |            |
| CN6202           |                              | PLUG, CONNECTOR 13P                   |          | D5310            | 8-719-081-97                 | DIODE MMDL914T1               |            |
| CN6202           | 1-695-915-11                 | TAB (CONTACT)                         |          | D5400            | 8-719-982-03                 | DIODE MIZJ-3.6A               |            |
| CNOZOS           | 1-055-515-11                 | IAD (CONTACT)                         |          | D0400            | 0-713-302-03                 | DIODE MILJ-J. OA              |            |
| CN7000           | * 1 017 049 01               | PLUG, CONNECTOR 5P                    |          | D5401            | 8-719-050-38                 | DIODE M.MA152WK-T1            |            |
| CN7000<br>CN7001 |                              | PLUG, CONNECTOR 9P                    |          | D5401<br>D5404   | 8-719-030-38                 | DIODE RD15ESB2                |            |
| CN/001<br>CN8001 |                              | PIN, CONNECTOR (PC BOARD)             | оп       | D5404<br>D5405   | 8-719-110-41                 | DIODE GPO8D                   |            |
| CIMOOOI          | 1-700-201-11                 | TIN, CONNECTOR (TO DUARD)             | 10       | D5405<br>D5406   | 8-719-906-03                 | DIODE MMDL914T1               |            |
|                  | < DIODE >                    |                                       |          | D5400<br>D5407   | 8-719-081-97                 | DIODE MMDL914T1               |            |
|                  | < DIODE >                    | •                                     |          | D0407            | 0-719-001-97                 | DIODE MMDL91411               |            |
| D0101            | 8-719-921-88                 | DIODE MIZJ-13B                        |          | D5804            | 8-719-109-89                 | DIODE RD5. 6ESB2              |            |
| D0101<br>D0104   | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          | D5804<br>D5807   | 8-719-109-69                 | DIODE HZS9. 1NB2              |            |
| D0104<br>D0110   | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          | D5807<br>D5809   | 8-719-929-13                 | DIODE M.MA152WK-T1            |            |
| D0110<br>D0111   |                              | DIODE HZS9.1NB2                       |          | D5811            | 8-719-030-38                 | DIODE MMDL914T1               |            |
| D0111<br>D0112   |                              | DIODE MIZJ-13B                        |          | D5812            | 8-719-081-97                 | DIODE MMDL914T1               |            |
| 10112            | 0-719-921-00                 | DIODE MICH-19D                        |          | 10012            | 8-719-081-97                 | DIODE MMDL91411               |            |
| JM119            | 0 710 001 00                 | DIODE MIZJ-13B                        |          | DC019            | 0 710 001 07                 | DIODE MMDL914T1               |            |
| D0113            | 8-719-921-88                 |                                       |          | D5813            | 8-719-081-97                 |                               |            |
| D1006<br>D2014   | 8-719-109-89<br>8-719-929-15 | DIODE RD5. 6ESB2<br>DIODE HZS9. 1NB2  |          | D5814<br>D6200   | 1-216-295-91<br>8-719-063-70 | SHORT CHIP 0<br>DIODE D1NL20U |            |
|                  |                              |                                       |          |                  |                              |                               |            |
| D2015            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          | D7004            | 8-719-929-15                 | DIODE HZS9. 1NB2              | E0/ 1/10W/ |
| D2016            | 8-719-030-38                 | DIODE M.MA152WK-T1                    |          | D7006            | 1-216-809-11                 | METAL CHIP 100                | 5% 1/10W   |
| D9010            | 0 710 090 15                 | DIODE 117CO 1MD9                      |          |                  | EEDDITE                      | DEAD .                        |            |
| D2018            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          |                  | < FERRITE                    | DEAU >                        |            |
| D2019            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          | ED9001           | 1 414 700 91                 | EEDDITE OIII                  |            |
| D2500            | 8-719-050-38                 | DIODE MM152WK-T1                      |          | FB3001           | 1-414-760-21                 | FERRITE OUH                   |            |
| D2502<br>D2503   | 8-719-109-89                 | DIODE RD5.6ESB2<br>DIODE M.MA152WK-T1 |          |                  | < FILTER                     |                               |            |
| DZ303            | 8-719-050-38                 | DIODE MIMAIONN-11                     |          |                  | < FILIER                     | >                             |            |
| D3001            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | FL2000           | 1-239-803-11                 | ETTTED EM                     |            |
| D3001            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | 1.T7000          | 1-233-003-11                 | FILIER, EN                    |            |
| D3005            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          |                  | < IC >                       |                               |            |
| D3007            | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          |                  | < 10 >                       |                               |            |
| D3007            | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          | IC2000           | 6_701_031_11                 | IC NSP3411G-QA-B11            |            |
| 10000            | 0-713-103-03                 | DIODE 100. OEDDA                      |          | IC2000           | 8-759-100-96                 | IC UPC4558G2                  |            |
| D3009            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | IC2500           | 8-759-831-56                 | IC TDA7497                    |            |
| D3011            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          | IC3200           | 6-700-505-01                 | IC VSP9402A-A32GEG            |            |
| D3011            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          | IC5200<br>IC5102 | 8-759-325-48                 | IC CAOOO5AD                   |            |
| D3015            | 8-719-929-15                 | DIODE HZS9. 1NB2                      |          | 103102           | 0-733-323-40                 | IC CAUUUJAD                   |            |
| D3017            | 8-719-109-89                 | DI ODE RD5. 6ESB2                     |          | IC5103           | 8-752-072-94                 | IC CXA1875AMT4                |            |
| 10011            | 0 110-100-00                 | DIODE MO. UEDDA                       |          | IC5103<br>IC5104 | 8-759-803-42                 | IC LA6500-FA                  |            |
| D3018            | 8-719-109-89                 | DI ODE RD5. 6ESB2                     |          | IC5104<br>IC5300 | 8-759-008-70                 | IC LM\$58N                    |            |
| D3016            | 8-719-109-69                 | DIODE HZS9.1NB2                       |          | IC5300<br>IC5301 | 8-759-659-67                 | IC LA6393DLL                  |            |
| D3013            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | IC5301<br>IC5302 | 8-759-659-67                 | IC LA6393DLL                  |            |
| D3021            | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          | 10000%           | 0 100-000-01                 | TO TUMONOPITE                 |            |
| D3023            | 8-719-109-69                 | DIODE HZS9. 1NB2                      |          | IC5400           | 8-759-696-71                 | IC STV9379A                   |            |
| PAUM             | 0 113-323-13                 | DIODE IEDO, IIWA                      |          | IC6200           | 8-759-648-19                 | IC L7809CV/LSY                |            |
| D3026            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | IC6200<br>IC6201 | 8-759-648-20                 | IC L7805CV/LSY                |            |
| D3028            | 8-719-929-15                 | DIODE HZS9.1NB2                       |          | IC6201<br>IC6202 | 8-759-445-59                 | IC BA033T                     |            |
| D3201            | 8-719-109-89                 | DIODE RD5. 6ESB2                      |          | IC6202           |                              | IC PQ30RV11                   |            |
| D5101            | 8-719-050-38                 | DIODE M.MA152WK-T1                    |          | 100200           | 0 133-030-24                 | TO I ANOIMII                  |            |
| D5101            | 8-719-110-86                 | DIODE RD39ESB                         |          | IC6204           | 8-759-591-02                 | IC L78L33ABZ-AP               |            |
| מונעו            | 0-713-110-00                 | DIODE IMOGEND                         |          | IC6204<br>IC6205 | 8-759-391-02                 | IC BA12T                      |            |
| D5104            | 8-719-109-89                 | DI ODE RD5. 6ESB2                     |          | IC6205<br>IC6206 | 8-759-991-41                 | IC LM78L05ACZ                 |            |
| D5104<br>D5300   | 8-719-109-89                 | DIODE MMDL914T1                       |          | IC7002           |                              | IC CXA2100AQ-TL               |            |
| D5303            | 8-719-081-97                 | DIODE MMDL914T1                       |          | 10/00%           | 0-1JL-U3U-00                 | IO CVWTIOOWA-IT               |            |
| D5304            | 8-719-081-97                 | DIODE MMDL914T1                       |          |                  |                              |                               |            |
| D5304<br>D5305   | 8-719-991-33                 | DIODE 1SS133T-77                      |          |                  |                              |                               |            |
| טטטע             | 0-112-231-99                 | DIONE 1991991-11                      |          |                  |                              |                               |            |



| REF.NO. | PART.NO      | DESCRIPTION  | REMARK   | REF.NO.        | PART.NO      | DESCRIPTION           | REMARK |
|---------|--------------|--------------|----------|----------------|--------------|-----------------------|--------|
|         | < SOCKET     | >            |          |                | < PROTECT    | TOR MODULE >          |        |
| J2000   | 1-784-632-11 | JACK, PIN 2P |          | PS2501 £       | 1-533-597-31 | IC LINK               | 5A     |
|         | < COIL >     |              |          |                | < TRANSIS    | TOR >                 |        |
| L1000   | 1-412-987-31 | TAIDITETOR   | 4. 7UH   | Q1000          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L1000   | 1-412-987-31 | INDUCTOR     | 4. 7UH   | Q1000<br>Q1001 | 8-729-010-03 | TRANSISTOR MSD601-RS  |        |
| L1001   |              |              | 1. VOIT  | Q1004          | 8-729-010-05 | TRANSISTOR MSB709-RT  |        |
| L1003   | 1-414-934-21 |              | 10UH     | Q1005          | 8-729-421-19 | TRANSISTOR UN2213     | 1      |
| L1005   | 1-414-934-21 |              | 10UH     | Q1006          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L2000   | 1-414-934-21 | INDUCTOR     | 10UH     | Q2000          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Π      |
| L2001   | 1-414-934-21 | INDUCTOR     | 10UH     | Q2001          | 8-729-010-29 | TRANSISTOR MSD601-RS  | T1     |
| L2007   | 1-535-303-00 | LEAD, JUMPER | (5. OM)  | Q2002          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Γ1     |
| L2008   | 1-216-295-91 | SHORT CHIP   | 0        | Q2003          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Γ1     |
| L2009   | 1-216-295-91 | SHORT CHIP   | 0        | Q2004          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Π1     |
| L2010   | 1-414-928-21 | INDUCTOR     | 1UH      | Q2005          | 8-729-010-29 | TRANSISTOR NSD601-RS  | T1     |
| L2012   | 1-414-934-21 | INDUCTOR     | 10UH     | Q2501          | 8-729-010-29 | TRANSISTOR MSD601-RS  | T1     |
| L2014   | 1-408-602-31 | INDUCTOR     | 8. 2UH   | Q2502          | 8-729-010-29 | TRANSISTOR MSD601-RS  |        |
| L2500   | 1-535-303-00 | LEAD, JUMPER | (5. 0MM) | Q2503          | 8-729-010-29 | TRANSISTOR MSD601-RS  |        |
| L2501   | 1-535-303-00 | LEAD, JUMPER | (5. 0MM) | Q2504          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L3000   | 1-216-295-91 | SHORT CHIP   | 0        | Q3200          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Γ1     |
| L3004   | 1-216-295-91 | SHORT CHIP   | 0        | Q3201          | 8-729-010-29 | TRANSISTOR MSD601-RS  | T1     |
| L3005   | 1-216-295-91 | SHORT CHIP   | 0        | Q3202          | 8-729-010-05 | TRANSISTOR MSB709-RT  |        |
| L3006   | 1-216-295-91 | SHORT CHIP   | 0        | Q3204          | 8-729-010-05 | TRANSISTOR MSB709-RT  |        |
| L3007   | 1-216-295-91 | SHORT CHIP   | 0        | Q3300          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L3008   | 1-216-295-91 | SHORT CHIP   | 0        | Q3301          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L3009   | 1-216-295-91 | SHORT CHIP   | 0        | Q3302          | 8-729-010-05 | TRANSISTOR MSB709-RT  |        |
| L3010   | 1-216-295-91 | SHORT CHIP   | 0        | Q3500          | 8-729-028-28 | TRANSISTOR 2SK2036(T  | ,      |
| L3011   | 1-216-295-91 | SHORT CHIP   | 0        | Q3501          | 8-729-028-28 | TRANSISTOR 2SK2036(T  | ,      |
| L3012   | 1-216-295-91 | SHORT CHIP   | 0        | Q5100          | 8-729-010-05 | TRANSISTOR NSB709-RT  | 1      |
| L3200   | 1-412-006-31 |              | 10UH     | Q5101          | 8-729-010-29 | TRANSISTOR MSD601-RS  |        |
| L3202   | 1-412-006-31 | INDUCTOR     | 10UH     | Q5300          | 8-729-010-29 | TRANSISTOR MSD601-RS  |        |
| L3203   | 1-412-006-31 | INDUCTOR     | 10UH     | Q5301          | 8-729-053-33 | TRANSISTOR IRF614-03  |        |
| L3206   | 1-412-006-31 | INDUCTOR     | 10UH     | Q5302          | 8-729-140-97 | TRANSISTOR 2SB734-34  |        |
| L3208   | 1-412-006-31 | INDUCTOR     | 10UH     | Q5303          | 8-729-010-29 | TRANSISTOR NSD601-RS  | []     |
| L3300   | 1-412-006-31 | INDUCTOR     | 10UH     | Q5304          | 8-729-010-29 | TRANSISTOR MSD601-RS' | T1     |
| L5300   | 1-406-989-21 | INDUCTOR     | 10MH     | Q5305          | 8-729-119-78 | TRANSISTOR 2SC2785-H  | FE     |
| L5301   | 1-406-989-21 | INDUCTOR     | 10MH     | Q5306          | 8-729-140-97 | TRANSISTOR 2SB734-34  |        |
| L5400   | 1-412-524-11 | INDUCTOR     | 8. 2UH   | Q5307          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L5896   | 1-216-864-11 | SHORT CHIP   | 0        | Q5400          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Γ1     |
| L5897   | 1-216-864-11 | SHORT CHIP   | 0        | Q5401          | 8-729-421-19 | TRANSISTOR UN2213     |        |
| L5898   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5402          | 8-729-010-05 | TRANSISTOR M\$B709-RT | 1      |
| L5899   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5403          | 8-729-421-19 | TRANSISTOR UN2213     |        |
| L7001   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5404          | 8-729-926-76 | TRANSISTOR IRF620     |        |
| L7009   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5813          | 8-729-421-19 | TRANSISTOR UN2213     |        |
| L7010   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5814          | 8-729-010-05 | TRANSISTOR MSB709-RT  | 1      |
| L7011   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5815          | 8-729-010-29 | TRANSISTOR M\$D601-RS | Γ1     |
| L7012   | 1-414-934-21 | INDUCTOR     | 10UH     | Q5816          | 8-729-010-05 | TRANSISTOR MSB709-RT  |        |
|         |              |              |          | Q6201          | 8-729-140-97 | TRANSISTOR 2SB734-34  |        |
|         |              |              |          | Q7003          | 8-729-010-29 | TRANSISTOR MSD601-RS  | Τ1     |



| REF.NO.        | PART.NO      | DESCRIPTION     | 1                 |          | REMARK         | REF.NO. | PART.NO      | DESCRIPTION |             |             | REMARK         |
|----------------|--------------|-----------------|-------------------|----------|----------------|---------|--------------|-------------|-------------|-------------|----------------|
| Q7009          | 8-729-010-05 | TRANSISTOR N    | <b>S</b> B709_RT  | 1        |                | R2026   | 1-216-853-11 | METAL CHIP  | 470K        | 5%          | 1/10W          |
| Q7011          | 8-729-010-05 | TRANSISTOR N    |                   |          |                | R2029   | 1-216-853-11 | METAL CHIP  | 470K        |             | 1/10W          |
| Q7011<br>Q7012 | 8-729-010-05 | TRANSISTOR N    |                   |          |                | R2032   | 1-216-853-11 | METAL CHIP  | 470K        |             | 1/10W          |
| Q7012<br>Q7013 | 8-729-010-03 | TRANSISTOR N    |                   |          |                | R2035   | 1-216-853-11 | METAL CHIP  | 470K        |             | 1/10W          |
|                |              |                 |                   |          |                |         |              |             |             |             |                |
| Q7014          | 8-729-010-05 | TRANSISTOR N    | <b>9</b> R/09-KI  | 1        |                | R2038   | 1-216-853-11 | METAL CHIP  | 470K        | 5%          | 1/10W          |
| Q7015          | 8-729-010-05 | TRANSISTOR N    | <b>S</b> R709-RT  | 1        |                | R2041   | 1-216-853-11 | METAL CHIP  | 470K        | 5%          | 1/10W          |
| Q7016          | 8-729-010-29 | TRANSISTOR N    |                   |          |                | R2042   | 1-216-829-11 | METAL CHIP  | 4. 7K       |             | 1/10W          |
| Q7017          | 8-729-010-05 | TRANSISTOR N    |                   |          |                | R2043   | 1-216-829-11 | METAL CHIP  | 4. 7K       |             | 1/10W          |
| Q7018          | 8-729-010-05 | TRANSISTOR N    |                   |          |                | R2044   | 1-216-853-11 | METAL CHIP  | 470K        |             | 1/10W          |
| Q7018<br>Q7019 | 8-729-010-03 | TRANSISTOR N    |                   |          |                | R2047   | 1-216-853-11 | METAL CHIP  | 470K        |             | 1/10W          |
| Q1019          | 0-125-010-25 | TIVAIOTSTOIL IV | <b>1</b> 0001-170 | 11       |                | 14047   | 1-210-033-11 | WEIAL CHII  | 47010       | J/0         | 1/ 10W         |
|                | < RESISTO    | )R >            |                   |          |                | R2048   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
|                |              |                 |                   |          |                | R2050   | 1-216-845-11 | METAL CHIP  | 100K        | 5%          | 1/10W          |
| JR121          | 1-216-864-11 | SHORT CHIP      | 0                 |          |                | R2051   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| JR123          | 1-216-864-11 | SHORT CHIP      | 0                 |          |                | R2052   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| JR2000         | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2053   | 1-216-864-11 | SHORT CHIP  | 0           | 0.0         | 1/ 1011        |
|                |              |                 |                   |          |                |         |              |             |             |             |                |
| R0101          | 1-216-833-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2054   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| R0102          | 1-216-827-11 | METAL CHIP      | 3.3K              | 5%       | 1/10W          | R2055   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| R0103          | 1-216-073-91 | RES-CHIP        | 10K               | 5%       | 1/10W          | R2056   | 1-216-037-00 | RES-CHIP    | 330         | 5%          | 1/10W          |
| R0104          | 1-216-827-11 | METAL CHIP      | 3.3K              | 5%       | 1/10W          | R2057   | 1-216-025-11 | RES-CHIP    | 100         | 5%          | 1/10W          |
| R0105          | 1-216-025-11 | RES-CHIP        |                   | 5%       | 1/10W          | R2058   | 1-216-025-11 | RES-CHIP    | 100         | 5%          | 1/10W          |
|                |              |                 |                   |          |                |         |              |             |             |             |                |
| R0107          | 1-216-025-11 | RES-CHIP        | 100               | 5%       | 1/10W          | R2059   | 1-216-829-11 | METAL CHIP  | 4.7K        | 5%          | 1/10W          |
| R1000          | 1-216-049-11 | RES-CHIP        | 1K                | 5%       | 1/10W          | R2060   | 1-216-829-11 | METAL CHIP  | 4.7K        | 5%          | 1/10W          |
| R1001          | 1-216-001-00 | RES-CHIP        | 10                | 5%       | 1/10W          | R2061   | 1-216-829-11 | METAL CHIP  | 4.7K        | 5%          | 1/10W          |
| R1002          | 1-216-821-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2062   | 1-216-829-11 | METAL CHIP  | 4.7K        |             | 1/10W          |
| R1003          | 1-216-809-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2063   | 1-216-829-11 | METAL CHIP  | 4.7K        |             | 1/10W          |
| 111000         | 1 210 000 11 |                 | 100               | 0,0      | 1, 1011        | 14000   | 1 210 020 11 |             | 21.12       | 0.0         | 1, 10,1        |
| R1004          | 1-216-809-11 | METAL CHIP      | 100               | 5%       | 1/10W          | R2064   | 1-249-425-11 | CARBON      | 4.7K        | 5%          | 1/4W           |
| R1005          | 1-216-049-11 | RES-CHIP        | 1K                | 5%       | 1/10W          | R2065   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R1006          | 1-216-051-00 | RES-CHIP        | 1.2K              | 5%       | 1/10W          | R2066   | 1-216-829-11 | METAL CHIP  | 4.7K        | 5%          | 1/10W          |
| R1007          | 1-414-813-11 | FERRITE         | 0UH               |          |                | R2067   | 1-216-829-11 | METAL CHIP  | 4.7K        | 5%          | 1/10W          |
| R1008          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2068   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| D4 000         | 1 010 005 01 | CIRODAL CIRID   |                   |          |                | Poooo   | 1 010 007 11 | The care    | 0.017       | <b>20</b> / | 4 /4 0777      |
| R1009          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2069   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R1010          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2070   | 1-216-833-11 | METAL CHIP  | 10K         | 5%          | 1/10W          |
| R1014          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2071   | 1-216-839-11 | METAL CHIP  | 33K         | 5%          | 1/10W          |
| R1017          | 1-216-822-11 | METAL CHIP      | 1.2K              | 5%       | 1/10W          | R2072   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| R1019          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2073   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| D1 001         | 1 910 000 11 | אופידאז ריוודים | 101/              | E0/      | 1/10W          | D907#   | 1 910 007 11 | уктут стпр  | <b>ว</b> กพ | E0/         | 1 /10W         |
| R1021          | 1-216-833-11 | METAL CHIP      |                   | 5%       |                | R2074   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R1022          | 1-216-839-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2075   | 1-216-833-11 | METAL CHIP  | 10K         | 5%          | 1/10W          |
| R1023          | 1-216-849-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2076   | 1-216-839-11 | METAL CHIP  | 33K         | 5%          | 1/10W          |
| R1024          | 1-216-839-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2077   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| R1025          | 1-216-837-11 | METAL CHIP      | 22K               | 5%       | 1/10W          | R2078   | 1-216-025-11 | RES-CHIP    | 100         | 5%          | 1/10W          |
| R1026          | 1-216-817-11 | METAL CHIP      | 470               | 5%       | 1/10W          | R2079   | 1-216-049-11 | RES-CHIP    | 1K          | 5%          | 1/10W          |
| R2009          | 1-216-817-11 | METAL CHIP      |                   | 5%       | 1/10W          | R2080   | 1-218-867-11 | METAL CHIP  |             |             | 1/10W          |
| R2010          | 1-216-817-11 | METAL CHIP      |                   | 5%       | 1/10W<br>1/10W | R2081   | 1-216-833-11 | METAL CHIP  | 10K         | 5%          | 1/10W          |
| R2010          | 1-216-017-11 | RES-CHIP        |                   | 5%<br>5% | 1/10W<br>1/10W | R2082   | 1-210-655-11 | METAL CHIP  | 10K<br>47   | 5%<br>5%    | 1/10W<br>1/10W |
|                |              |                 |                   |          |                |         |              |             |             |             |                |
| R2014          | 1-216-049-11 | RES-CHIP        | 1K                | 5%       | 1/10W          | R2083   | 1-216-817-11 | METAL CHIP  | 470         | 5%          | 1/10W          |
| R2015          | 1-216-295-91 | SHORT CHIP      | 0                 |          |                | R2084   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R2017          | 1-216-853-11 | METAL CHIP      | 470K              | 5%       | 1/10W          | R2085   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R2018          | 1-216-295-91 | SHORT CHIP      | 0                 |          | · ==···        | R2086   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R2020          | 1-216-853-11 | METAL CHIP      | 470K              | 5%       | 1/10W          | R2087   | 1-216-837-11 | METAL CHIP  | 22K         | 5%          | 1/10W          |
| R2023          | 1-216-853-11 | METAL CHIP      | 470K              |          | 1/10W          | R2088   | 1-216-041-00 | RES-CHIP    | 470         | 5%          | 1/10W          |
| 116060         | 1 210 000-11 | MPTUIT OHH      | 11011             | J/U      | 1/ 1011        | 116000  | 1 210 041-00 | TATA CITT   | 110         | J/U         | 1/ 1011        |



| REF.NO. | PART.NO      | DESCRIPTION |      |     | REMARK  | REF.NO. | PART.NO      | DESCRIPTION |      |      | REMARK  |
|---------|--------------|-------------|------|-----|---------|---------|--------------|-------------|------|------|---------|
| R2089   | 1-216-041-00 | RES-CHIP    | 470  | 5%  | 1/10W   | R3022   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2092   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3023   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2093   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3024   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2094   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3025   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2095   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3026   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| 144000  | 1 210 000 00 | 1420 0141   | 000  | 070 | 1/ 1011 | 10000   | 1 210 022 00 | 122 0121    |      | 070  | 1, 1011 |
| R2096   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3027   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2097   | 1-216-039-00 | RES-CHIP    | 390  | 5%  | 1/10W   | R3028   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2098   | 1-216-049-11 | RES-CHIP    | 1K   | 5%  | 1/10W   | R3029   | 1-216-045-00 | RES-CHIP    | 680  | 5%   | 1/10W   |
| R2099   | 1-216-049-11 | RES-CHIP    | 1K   | 5%  | 1/10W   | R3030   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2500   | 1-216-073-91 | RES-CHIP    | 10K  | 5%  | 1/10W   | R3031   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| 1       | 1 210 0,0 01 | 1420 0141   | 1011 | 070 | 1/ 1011 | 10001   | 1 210 022 00 | 122 0121    |      | 070  | 1/ 1011 |
| R2501   | 1-216-341-11 | METAL OXIDE | 0.22 | 5%  | 1W      | R3032   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2502   | 1-208-810-11 | METAL CHIP  | 15K  |     | 1/10W   | R3033   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2503   | 1-208-810-11 | METAL CHIP  | 15K  |     | 1/10W   | R3034   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| R2504   | 1-216-049-11 | RES-CHIP    | 1K   | 5%  | 1/10W   | R3035   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2507   | 1-216-837-11 | METAL CHIP  | 22K  | 5%  | 1/10W   | R3036   | 1-216-022-00 | RES-CHIP    | 75   | 5%   | 1/10W   |
| 144001  | 1 210 001 11 |             | ~~11 | 070 | 1/ 1011 | 10000   | 1 210 022 00 | 122 0121    |      | 070  | 1, 1011 |
| R2509   | 1-249-417-11 | CARBON      | 1K   | 5%  | 1/4W    | R3037   | 1-216-045-00 | RES-CHIP    | 680  | 5%   | 1/10W   |
| R2511   | 1-216-073-91 | RES-CHIP    | 10K  | 5%  | 1/10W   | R3218   | 1-216-821-11 | METAL CHIP  | 1K   | 5%   | 1/10W   |
| R2516   | 1-216-081-00 | RES-CHIP    | 22K  | 5%  | 1/10W   | R3219   | 1-216-821-11 | METAL CHIP  | 1K   | 5%   | 1/10W   |
| R2517   | 1-216-841-11 | METAL CHIP  | 47K  | 5%  | 1/10W   | R3220   | 1-216-837-11 | METAL CHIP  | 22K  | 5%   | 1/10W   |
| R2518   | 1-216-049-11 | RES-CHIP    | 1K   | 5%  | 1/10W   | R3221   | 1-216-837-11 | METAL CHIP  | 22K  | 5%   | 1/10W   |
| 10010   | 1 210 010 11 | ias cini    | 111  | 070 | 1/ 1011 | 10001   | 1 210 007 11 | WEITHE CIRT | 2211 | 070  | 1/ 10// |
| R2519   | 1-216-833-11 | METAL CHIP  | 10K  | 5%  | 1/10W   | R3222   | 1-216-837-11 | METAL CHIP  | 22K  | 5%   | 1/10W   |
| R2520   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3223   | 1-216-837-11 | METAL CHIP  | 22K  | 5%   | 1/10W   |
| R2524   | 1-216-833-11 | METAL CHIP  | 10K  | 5%  | 1/10W   | R3225   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2525   | 1-216-828-11 | METAL CHIP  | 3.9K |     | 1/10W   | R3226   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2912   | 1-216-295-91 | SHORT CHIP  | 0    | 070 | 1/ 1011 | R3229   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| 100012  | 1 210 200 01 | DIRWI CIRI  | Ü    |     |         | 10000   | 1 210 020 11 | Tab OTH     | 100  | 070  | 1/ 10// |
| R2914   | 1-216-853-11 | METAL CHIP  | 470K | 5%  | 1/10W   | R3233   | 1-216-821-11 | METAL CHIP  | 1K   | 5%   | 1/10W   |
| R2921   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3234   | 1-216-821-11 | METAL CHIP  | 1K   | 5%   | 1/10W   |
| R2924   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3235   | 1-216-822-11 | METAL CHIP  | 1.2K |      | 1/10W   |
| R2927   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3236   | 1-216-822-11 | METAL CHIP  | 1.2K |      | 1/10W   |
| R2930   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3237   | 1-216-797-11 | METAL CHIP  | 10   | 5%   | 1/10W   |
|         |              |             |      |     |         |         |              |             |      |      |         |
| R2933   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3238   | 1-216-797-11 | METAL CHIP  | 10   | 5%   | 1/10W   |
| R2936   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3305   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2939   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3306   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R2942   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3312   | 1-216-825-11 | METAL CHIP  | 2.2K |      | 1/10W   |
| R2945   | 1-216-295-91 | SHORT CHIP  | 0    |     |         | R3313   | 1-216-825-11 | METAL CHIP  | 2.2K |      | 1/10W   |
|         |              |             |      |     |         |         |              |             |      |      |         |
| R3000   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3314   | 1-216-825-11 | METAL CHIP  | 2.2K | 5%   | 1/10W   |
| R3001   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R3318   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R3009   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3319   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R3010   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R3320   | 1-216-025-11 | RES-CHIP    | 100  | 5%   | 1/10W   |
| R3011   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3403   | 1-216-821-11 | METAL CHIP  | 1K   | 5%   | 1/10W   |
|         |              |             |      |     |         |         |              |             |      |      |         |
| R3012   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R3500   | 1-216-834-11 | METAL CHIP  | 12K  | 5%   | 1/10W   |
| R3013   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3501   | 1-216-834-11 | METAL CHIP  | 12K  | 5%   | 1/10W   |
| R3014   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R3504   | 1-216-825-11 | METAL CHIP  | 2.2K | 5%   | 1/10W   |
| R3015   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R3505   | 1-216-825-11 | METAL CHIP  | 2.2K | 5%   | 1/10W   |
| R3016   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R3603   | 1-216-295-91 | SHORT CHIP  | 0    |      |         |
|         |              |             |      |     |         |         |              |             |      |      |         |
| R3017   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R5102   | 1-208-814-91 | METAL CHIP  | 22K  | 0.5% | 1/10W   |
| R3018   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R5103   | 1-218-833-11 | METAL CHIP  | 270  | 0.5% | 1/10W   |
| R3019   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R5107   | 1-208-814-91 | METAL CHIP  | 22K  | 0.5% | 1/10W   |
| R3020   | 1-216-025-11 | RES-CHIP    | 100  | 5%  | 1/10W   | R5111   | 1-208-814-91 | METAL CHIP  | 22K  | 0.5% | 1/10W   |
| R3021   | 1-216-022-00 | RES-CHIP    | 75   | 5%  | 1/10W   | R5112   | 1-218-875-11 | METAL CHIP  | 15K  | 0.5% | 1/10W   |
|         |              |             |      |     | '       |         |              |             |      |      |         |



| REF.NO.        | PART.NO      | DESCRIPTION |              |             | REMARK         | REF.NO.        | PART.NO                   | DESCRIPTION |               |          | REMARK         |
|----------------|--------------|-------------|--------------|-------------|----------------|----------------|---------------------------|-------------|---------------|----------|----------------|
| R5118          | 1-249-411-11 | CARBON      | 330          | 5%          | 1/4W           | R5325          | 1-208-812-11              | METAL CHIP  | 18K           | 0.5%     | 1/10W          |
| R5119          | 1-216-844-11 | METAL CHIP  | 82K          | 5%          | 1/10W          | R5326          | 1-216-845-11              | METAL CHIP  | 100K          | 5%       | 1/10W          |
| R5122          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W          | R5327          | 1-216-472-00              | METAL OXIDE | 39            | 5%       | 3W             |
| R5125          | 1-216-836-11 | METAL CHIP  | 18K          | 5%          | 1/10W<br>1/10W | R5328          | 1-216-033-00              | RES-CHIP    | 220           | 5%       | 1/10W          |
|                |              | CARBON      |              | 5%          |                |                |                           |             |               | 5%       |                |
| R5126          | 1-249-406-11 | CARDON      | 120          | 370         | 1/4W           | R5331          | 1-216-033-00              | RES-CHIP    | 220           | 370      | 1/10W          |
| R5127          | 1-216-025-11 | RES-CHIP    | 100          | 5%          | 1/10W          | R5332          | 1-208-806-11              | METAL CHIP  | 10K           | 0.5%     | 1/10W          |
| R5128          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5333          | 1-208-820-11              | METAL CHIP  | 39K           | 0.5%     | 1/10W          |
| R5129          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5334          | 1-208-834-11              | METAL CHIP  | 150K          | 0.5%     | 1/10W          |
| R5130          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5335          | 1-208-818-11              | METAL CHIP  | 33K           | 0.5%     | 1/10W          |
| R5131          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W          | R5336          | 1-216-057-00              | RES-CHIP    | 2.2K          | 5%       | 1/10W          |
| R5132          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5337          | 1-218-867-11              | METAL CHIP  | e or          | 0.5%     | 1/10W          |
| R5132<br>R5133 |              | METAL CHIP  | 100          | 5%          | 1/10W<br>1/10W | R5338          | 1-249-413-11              | CARBON      | 0. or<br>470  | 5%       | 1/4W           |
|                | 1-216-809-11 |             |              |             |                |                |                           |             |               |          |                |
| R5137          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5340          | 1-216-049-11              | RES-CHIP    | 1K            | 5%       | 1/10W          |
| R5138          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5341          | 1-216-089-91              | RES-CHIP    | 47K           | 5%       | 1/10W          |
| R5139          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W          | R5342          | 1-208-818-11              | METAL CHIP  | 33K           | 0.5%     | 1/10W          |
| R5140          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W          | R5343          | 1-208-808-11              | METAL CHIP  | 12K           | 0.5%     | 1/10W          |
| R5146          | 1-216-025-11 | RES-CHIP    | 100          | 5%          | 1/10W          | R5344          | 1-208-820-11              | METAL CHIP  | 39K           | 0.5%     | 1/10W          |
| R5148          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W          | R5345          | 1-208-832-11              | METAL CHIP  | 120K          | 0.5%     | 1/10W          |
| R5149          | 1-218-833-11 | METAL CHIP  | 270          | 0.5%        | 1/10W          | R5346          | 1-216-849-11              | METAL CHIP  | 220K          | 5%       | 1/10W          |
| R5150          | 1-249-414-11 | CARBON      | 560          | 5%          | 1/4W           | R5347          | 1-216-833-11              | METAL CHIP  | 10K           | 5%       | 1/10W          |
|                |              |             |              |             |                |                |                           |             |               |          |                |
| R5151          | 1-249-454-11 | CARBON      | 3.9          | 5%          | 1/4W           | R5349          | 1-216-043-91              | RES-CHIP    | 560           | 5%       | 1/10W          |
| R5152          | 1-249-413-11 | CARBON      | 470          | 5%          | 1/4W           | R5350          | 1-216-041-00              | RES-CHIP    | 470           | 5%       | 1/10W          |
| R5153          | 1-249-393-11 | CARBON      | 10           | 5%          | 1/4W           | R5351          | 1-216-809-11              | METAL CHIP  | 100           | 5%       | 1/10W          |
| R5154          | 1-216-833-11 | METAL CHIP  | 10K          | 5%          | 1/10W          | R5352          | 1-216-821-11              | METAL CHIP  | 1K            | 5%       | 1/10W          |
| R5155          | 1-249-421-11 | CARBON      | 2.2K         | 5%          | 1/4W           | R5400          | 1-216-849-11              | METAL CHIP  | 220K          | 5%       | 1/10W          |
| R5156          | 1-216-833-11 | METAL CHIP  | 10K          | 5%          | 1/10W          | R5401          | 1-216-837-11              | METAL CHIP  | 22K           | 5%       | 1/10W          |
| R5157          | 1-216-829-11 | METAL CHIP  | 4. 7K        |             | 1/10W<br>1/10W | R5402          | 1-216-037-11              | RES-CHIP    | 22K           | 5%       | 1/10W          |
| R5300          | 1-210-829-11 | METAL CHIP  | 4. 7K<br>10K |             | 1/10W<br>1/10W | R5403          | 1-216-829-11              | METAL CHIP  | 4.7K          |          | 1/10W<br>1/10W |
|                |              |             |              |             |                |                |                           | METAL CHIP  |               |          |                |
| R5301          | 1-216-829-11 | METAL CHIP  | 4.7K         |             | 1/10W          | R5404          | 1-216-829-11              |             | 4.7K          |          | 1/10W          |
| R5302          | 1-208-806-11 | METAL CHIP  | 10K          | 0. 3%       | 1/10W          | R5405          | 1-216-829-11              | METAL CHIP  | 4.7K          | 3%       | 1/10W          |
| R5303          | 1-216-685-11 | METAL CHIP  | 27K          | 0.5%        | 1/10W          | R5407          | 1-216-857-11              | METAL CHIP  | 1M            | 5%       | 1/10W          |
| R5304          | 1-208-806-11 | METAL CHIP  | 10K          |             | 1/10W          | R5408          | 1-216-825-11              | METAL CHIP  | 2.2K          | 5%       | 1/10W          |
| R5305          | 1-208-852-11 | METAL CHIP  | 820K         |             | 1/10W          | R5409          | 1-208-802-11              | METAL CHIP  | 6.8K          | 0.5%     | 1/10W          |
| R5306          | 1-208-802-11 | METAL CHIP  |              |             | 1/10W          | R5410          | 1-208-798-11              | METAL CHIP  |               |          | 1/10W          |
| R5307          | 1-216-041-00 | RES-CHIP    | 470          | 5%          | 1/10W          | R5411          | 1-216-061-91              | RES-CHIP    | 3.3K          |          | 1/10W          |
|                |              |             |              |             |                |                |                           |             |               |          |                |
| R5308          | 1-216-295-91 | SHORT CHIP  | 0            |             |                | R5413          | 1-208-802-11              | METAL CHIP  | 6.8K          |          | 1/10W          |
| R5309          | 1-208-824-11 | METAL CHIP  | 56K          | 0.5%        | 1/10W          | R5414          | 1-249-383-11              | CARBON      | 1.5           | 5%       | 1/4W           |
| R5310          | 1-208-830-11 | METAL CHIP  | 100K         | 0.5%        | 1/10W          | R5415          | 1-249-389-11              | CARBON      | 4.7           | 5%       | 1/4W           |
| R5311          | 1-216-045-00 | RES-CHIP    | 680          | 5%          | 1/10W          | R5416          | 1-215-888-00              | METAL OXIDE | 220           | 5%       | 2W             |
| R5312          | 1-208-832-11 | METAL CHIP  | 120K         | 0.5%        | 1/10W          | R5417          | 1-208-798-11              | METAL CHIP  | 4.7K          | 0.5%     | 1/10W          |
| R5314          | 1-208-840-11 | METAL CHIP  | 970¥         | N 50%       | 1/10W          | R5420          | 1-214-798-21              | METAL       | 1.8           | 1%       | 1/2W           |
| R5314<br>R5315 | 1-200-040-11 | RES-CHIP    | 560          | 0. 5%<br>5% | 1/10W<br>1/10W | R5420<br>R5421 | 1-214-796-21              | METAL       | 1.8           | 1%       | 1/2W<br>1/2W   |
| R5316          | 1-216-043-91 | RES-CHIP    | 2. 2K        |             | 1/10W<br>1/10W | R5421<br>R5803 | 1-214-796-21 1-216-861-11 | METAL CHIP  | 1. o<br>2. 2M |          | 1/2W<br>1/10W  |
|                |              |             |              |             |                |                |                           |             |               |          |                |
| R5317          | 1-216-845-11 | METAL CHIP  | 100K         |             | 1/10W          | R5804          | 1-216-049-11              | RES-CHIP    | 1K            | 5%<br>5% | 1/10W          |
| R5318          | 1-208-806-11 | METAL CHIP  | 10K          | U. 5%       | 1/10W          | R5805          | 1-216-049-11              | RES-CHIP    | 1K            | 5%       | 1/10W          |
| R5319          | 1-208-840-11 | METAL CHIP  | 270K         | 0.5%        | 1/10W          | R5806          | 1-216-089-91              | RES-CHIP    | 47K           | 5%       | 1/10W          |
| R5320          | 1-216-833-11 | METAL CHIP  | 10K          | 5%          | 1/10W          | R5807          | 1-216-049-11              | RES-CHIP    | 1K            | 5%       | 1/10W          |
| R5321          | 1-216-837-11 | METAL CHIP  | 22K          | 5%          | 1/10W          | R5808          | 1-216-049-11              | RES-CHIP    | 1K            | 5%       | 1/10W          |
| R5322          | 1-216-820-11 | METAL CHIP  | 820          | 5%          | 1/10W          | R5809          | 1-216-073-91              | RES-CHIP    | 10K           | 5%       | 1/10W          |
| R5324          | 1-208-810-11 | METAL CHIP  | 15K          |             | 1/10W          | R5865          | 1-216-841-11              | METAL CHIP  | 47K           | 5%       | 1/10W          |
|                |              |             |              |             |                |                |                           |             |               |          |                |



| REF.NO.        | PART.NO      | DESCRIPTION          |            |           | REMARK         | REF.NO.     | PART.NO        | DESCRIPTION           |                | REMARK         |
|----------------|--------------|----------------------|------------|-----------|----------------|-------------|----------------|-----------------------|----------------|----------------|
| R5869          | 1-216-817-11 | METAL CHIP           | 470        | 5%        | 1/10W          | R7079       | 1-216-041-00   | RES-CHIP 470          | 5%             | 1/10W          |
| R5871          | 1-216-850-11 | METAL CHIP           | 270K       | 5%        | 1/10W          | R7080       | 1-216-043-91   | RES-CHIP 560          | 5%             | 1/10W          |
| R5872          | 1-216-073-91 | RES-CHIP             | 10K        | 5%        | 1/10W          | R7081       | 1-216-817-11   | METAL CHIP 470        | 5%             | 1/10W          |
| R5873          | 1-216-073-91 | RES-CHIP             | 10K        | 5%        | 1/10W          | R7082       | 1-208-782-11   | METAL CHIP 1K         |                | 1/10W<br>1/10W |
| R5875          | 1-216-825-11 | METAL CHIP           | 2. 2K      | 5%        | 1/10W          | R7088       | 1-208-782-11   |                       |                | 1/10W<br>1/10W |
| 10073          | 1-210-025-11 | WEIAL CHIL           | ۵. LI      | J/0       | 1/ 10W         | 1000        | 1-200-705-11   | WEIAL CHI 1.1         | 1 0.3/0        | 1/ 10W         |
| R5877          | 1-216-821-11 | METAL CHIP           | 1K         | 5%        | 1/10W          | R7089       | 1-216-819-11   | METAL CHIP 680        | 5%             | 1/10W          |
| R5878          | 1-216-049-11 | RES-CHIP             | 1K         | 5%        | 1/10W          | R7090       | 1-216-819-11   | METAL CHIP 680        | 5%             | 1/10W          |
| R5879          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          | R7091       | 1-216-819-11   | METAL CHIP 680        | 5%             | 1/10W          |
| R5880          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          | R7092       | 1-216-295-91   | SHORT CHIP 0          | 370            | 1/ 1000        |
| R5881          | 1-216-833-11 | METAL CHIP           | 10K        | 5%        | 1/10W          | R7093       | 1-216-295-91   | SHORT CHIP 0          |                |                |
| 10001          | 1 210 000 11 | WLIAL CHII           | 1011       | 3/0       | 1/ 1000        | 10 000      | 1 210 255 51   | SIDICI CILI           |                |                |
| R5882          | 1-216-833-11 | METAL CHIP           | 10K        | 5%        | 1/10W          | R7094       | 1-216-295-91   | SHORT CHIP 0          |                |                |
| R5883          | 1-216-855-11 | METAL CHIP           | 680K       | 5%        | 1/10W          | R7095       | 1-216-295-91   | SHORT CHIP 0          |                |                |
| R5884          | 1-216-841-11 | METAL CHIP           | 47K        | 5%        | 1/10W          | R7096       | 1-216-803-11   | METAL CHIP 33         | 5%             | 1/10W          |
| R5885          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          | R7097       | 1-216-803-11   | METAL CHIP 33         | 5%             | 1/10W          |
| R5887          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          | R7098       | 1-216-803-11   | METAL CHIP 33         | 5%             | 1/10W          |
| 10001          | 1 210 000 11 | THE CITE             | 100        | 070       | 1/ 1011        | 10000       | 1 210 000 11   | WEITE CHET OF         | 070            | 1/ 1011        |
| R5888          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          |             | < CRYSTAL      | >                     |                |                |
| R5889          | 1-208-806-11 | METAL CHIP           | 10K        |           | 1/10W          |             |                |                       |                |                |
| R5892          | 1-216-833-11 | METAL CHIP           | 10K        | 5%        | 1/10W          | X2000       | 1-760-628-11   | VIBRATOR, CRYSTAL     |                |                |
| R5895          | 1-216-833-11 | METAL CHIP           | 10K        | 5%        | 1/10W          | X3200       | 1-781-946-21   | VIBRATOR, CRYSTAL     |                |                |
| R5898          | 1-216-832-11 | METAL CHIP           | 8. 2K      |           | 1/10W          | X5800       | 1-767-127-11   | VIBRATOR, CERAMC      |                |                |
| 10000          | 1 210 002 11 | THE CIRT             | 0. 211     | 070       | 1/ 1011        | 710000      | 1 101 121 11   | VIDICIION, CINCENTO   |                |                |
| R5899          | 1-216-863-11 | METAL CHIP           | 3.3M       | 5%        | 1/10W          | A Board     | d, Variant Par | rts (KV-32FX68B       | )              |                |
| R6200          | 1-218-831-11 | METAL CHIP           | 220        |           | 1/10W          |             |                | ·                     |                |                |
| R6201          | 1-218-839-11 | METAL CHIP           | 470        |           | 1/10W          |             | < TUNER >      |                       |                |                |
| R6202          | 1-249-395-11 | CARBON               | 15         | 5%        | 1/4W           |             |                |                       |                |                |
| R7007          | 1-216-049-11 | RES-CHIP             | 1K         | 5%        | 1/10W          | TU1000      | 8-598-535-20   | FRONTEND BTF-EF41     |                |                |
|                |              |                      |            |           |                |             |                |                       |                |                |
| R7018          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          | A Board     | d, Variant Par | rts (KV-32FX68E       | / KV-3         | 32FX68K)       |
| R7023          | 1-216-834-11 | METAL CHIP           | 12K        | 5%        | 1/10W          |             |                |                       |                |                |
| R7034          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          |             | < TUNER >      |                       |                |                |
| R7035          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          |             |                |                       |                |                |
| R7048          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          | TU1000      | 8-598-533-10   | FRONTEND BTF-EC41     | l              |                |
|                |              |                      |            |           |                | 4.5         |                | . ////=\/             | `              |                |
| R7050          | 1-216-833-11 | METAL CHIP           | 10K        | 5%        | 1/10W          | A Board     | d, Variant Par | ts (KV-32FX68U        | )              |                |
| R7051          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          |             | THE RESERVE    |                       |                |                |
| R7052          | 1-216-025-11 | RES-CHIP             | 100        | 5%        | 1/10W          |             | < TUNER >      |                       |                |                |
| R7053          | 1-216-049-11 | RES-CHIP             | 1K         | 5%        | 1/10W          | TTT 11 0000 | 0 500 500 10   | PROMINENTS DATE PRIOR |                |                |
| R7054          | 1-216-847-11 | METAL CHIP           | 150K       | 5%        | 1/10W          | TU1000      | 8-598-529-10   | FRONTEND BTF-EU61     | L              |                |
|                |              |                      |            |           |                | * A-130     | 0-178-A D.B    | oard, complete        |                |                |
| R7056          | 1-218-867-11 | METAL CHIP           |            |           | 1/10W          | A-100       | 0-170-A D D    | oard, complete        |                |                |
| R7057          | 1-216-842-11 | METAL CHIP           | 56K        | 5%        | 1/10W          |             | 4-382-854-01   | SCREW (MSX8), P, S    | SW (+)         |                |
| R7058          | 1-216-049-11 | RES-CHIP             | 1K         | 5%        | 1/10W          |             | 1 002 001 01   | SCILLY (NDAO), 1,     | <b>///</b> (1) |                |
| R7065          | 1-216-821-11 | METAL CHIP           | 1K         | 5%        | 1/10W          |             | < CAPACIT      | OR >                  |                |                |
| R7066          | 1-216-809-11 | METAL CHIP           | 100        | 5%        | 1/10W          |             | · On norr      | OIV >                 |                |                |
| Davoo          | 1 010 000 14 | VILLY CITE           | 107        | 0 50/     | 1 /1 OW        | C8100       | 1-136-165-00   | FILM 0.1U             | 7              | 5.00% 50V      |
| R7068          | 1-218-877-11 | METAL CHIP           | 18K        |           | 1/10W          | C8101       | 1-136-165-00   | FILM 0.1U             |                | 5. 00% 50V     |
| R7070          | 1-216-817-11 | METAL CHIP           | 470        | 5%        | 1/10W          | C8102       | 1-136-165-00   | FILM 0.1U             |                | 5. 00% 50V     |
| R7071          | 1-216-817-11 | METAL CHIP           | 470        | 5%        | 1/10W          | C8103       | 1-115-416-11   | CERAMIC CHIP 0.00     |                | 5. 00% 25V     |
| R7072          | 1-216-817-11 | METAL CHIP           | 470        | 5%        | 1/10W          | C8104       | 1-115-416-11   | CERAMIC CHIP 0.00     |                | 5. 00% 25V     |
| R7073          | 1-216-041-00 | RES-CHIP             | 470        | 5%        | 1/10W          | 00101       | _ 110 110 11   |                       |                | 2.30.0         |
| D7074          | 1 916 049 01 | RES-CHIP             | 5en        | 50/       | 1/10W          | C8105       | 1-126-947-11   | ELECT 47UF            |                | 20.00% 35V     |
| R7074          | 1-216-043-91 |                      | 560        | 5%<br>50/ | 1/10W          | C8106       | 1-164-315-11   | CERAMIC CHIP 470P     |                | 5. 00% 50V     |
| R7075          | 1-216-817-11 | METAL CHIP           | 470        | 5%<br>5%  | 1/10W          | C8107       | 1-216-685-11   |                       | 0.5%           |                |
| R7076<br>R7077 | 1-216-041-00 | RES-CHIP<br>RES-CHIP | 470<br>560 | 5%<br>5%  | 1/10W<br>1/10W | C8108       | 1-162-970-11   | CERAMIC CHIP 0.01     |                | 10.00% 25V     |
|                | 1-216-043-91 |                      | 560<br>470 |           |                | C8109       | 1-126-947-11   | ELECT 47UF            |                | 20. 00% 35V    |
| R7078          | 1-216-817-11 | METAL CHIP           | 470        | 5%        | 1/10W          |             |                | 01                    |                |                |



| REF.NO.           | PART.NO      | DESCRIPTION   |                | REM      | ARK          | REF.NO.        | PART.NO                      | DESCRIPTION                  |                     | REMARK      |
|-------------------|--------------|---------------|----------------|----------|--------------|----------------|------------------------------|------------------------------|---------------------|-------------|
| C8112             | 1-164-227-11 | CERAMC CHIP   | 0.022UF        | 10.00%   | 25V          | C8832          | 1-126-941-11                 | ELECT                        | 470UF               | 20.00% 25V  |
| C8113             | 1-162-970-11 | CERAMC CHIP   |                | 10.00%   |              | C8833          | 1-126-941-11                 | ELECT                        | 470UF               | 20.00% 25V  |
| C8114             | 1-126-964-11 | ELECT         | 10UF           | 20.00%   |              | C8834          | 1-102-228-00                 | CERAMC                       | 470PF               | 10.00% 500V |
| C8115             | 1-162-962-11 | CERAMC CHIP   |                | 10.00%   |              | C8835          | 1-102-228-00                 | CERAMC                       | 470PF               | 10.00% 500V |
| C8116             | 1-115-416-11 | CERAMC CHIP   |                | 5.00%    |              | C8836          | 1-123-024-21                 | ELECT                        | 33UF                | 160V        |
| 00110             | 1-113-410-11 | CERMINIC CHIL | 0.00101        | J. 00/0  | 231          | 00000          | 1-125-024-21                 | EPEC1                        | JJ01                | 1007        |
| C8117             | 1-115-416-11 | CERAMC CHIP   | 0.001UF        | 5.00%    | 25V          | C8837          | 1-106-375-12                 | MYLAR                        | 0.022UF             | 5.00% 200V  |
| C8118             | 1-162-970-11 | CERAMC CHIP   |                | 10.00%   |              | C8840          | 1-165-176-11                 | CERAMC CHIP                  |                     | 10.00% 16V  |
| C8119             | 1-107-826-11 | CERAMC CHIP   |                | 10.00%   |              | C8841          | 1-126-947-11                 | ELECT                        | 47UF                | 20. 00% 35V |
| C8120             | 1-165-176-11 | CERAMC CHIP   |                | 10.00%   |              | C8844          | 1-115-513-21                 | FILM                         | 0. 18UF             | 5. 00% 250V |
| C8124             | 1-107-826-11 | CERAMC CHIP   |                | 10.00%   |              | C8851          | 1-162-131-11                 | CERAMC                       | 220PF               | 10.00% 2KV  |
| 00121             | 1 107 050 11 | OLIVERIO OTET | 0.101          | 10.00%   | 101          | 00001          | 1 102 101 11                 | CIMULITO                     | 22011               | 10.00% 211  |
| C8125             | 1-162-968-11 | CERAMC CHIP   | 0.0047UF       | 10.00%   | 50V          | C8852          | 1-162-129-00                 | CERAM C                      | 150PF               | 10.00% 2KV  |
| C8126             | 1-165-176-11 | CERAMIC CHIP  | 0.047UF        | 10.00%   | 16V          | C8853          | 1-129-898-00                 | FILM                         | 0.0022UF            | 5.00% 630V  |
| C8128             | 1-162-968-11 | CERAMIC CHIP  | 0.0047UF       | 10.00%   | 50V          | C8855          | 1-136-205-11                 | MYLAR                        | 0.022UF             | 5.00% 630V  |
| C8131             | 1-126-964-11 | ELECT         | 10UF           | 20.00%   | 50V          | C8856          | 1-102-030-00                 | CERAM C                      | 330PF               | 10.00% 500V |
| C8132             | 1-164-230-11 | CERAMC CHIP   | 220PF          | 5.00%    | 50V          | C8860          | 1-162-964-11                 | CERAMC CHIP                  | $0.001 \mathrm{UF}$ | 10.00% 50V  |
| C0104             | 1 100 007 00 | CEDANTO       | ODE            | 0.0500   | LOM          | C0004          | 1 100 007 14                 | CEDVITC CITY                 | 10022               | r 000/ row  |
| C8134             | 1-102-935-00 | CERAMC        | 2PF            | 0. 25PF  |              | C8861          | 1-162-927-11                 | CERAMIC CHIP                 |                     | 5.00% 50V   |
| C8135             | 1-126-964-11 | ELECT         | 10UF           | 20.00%   |              | C8869          | 1-162-964-11                 | CERAMC CHIP                  | 0.001UF             | 10.00% 50V  |
| C8136             | 1-126-964-11 | ELECT         | 10UF           | 20.00%   |              |                |                              |                              |                     |             |
| C8140             | 1-164-004-11 | CERAMC CHIP   |                | 10.00%   |              |                | < CONNECT                    | OR >                         |                     |             |
| C8141             | 1-136-165-00 | FILM          | 0.1UF          | 5.00%    | 50V          | (Mnooo         | ¥ 1 017 007 01               | DITIO COMBICO                | TOD OD              |             |
| g000 <del>g</del> | 4 405 450 44 | CEDALE CHED   | 0.048777       | 10.000   | 4.017        | CN8600         | * 1-817-037-61               | PLUG, CONNEC                 |                     |             |
| C8207             | 1-165-176-11 | CERAMC CHIP   |                | 10.00%   |              | CN8601         | * 1-816-980-71               | PLUG, CONNEC                 |                     | (4.777)     |
| C8208             | 1-162-970-11 | CERAMC CHIP   |                | 10.00%   |              | CN8611         | * 1-785-270-12               | PIN, DY CONN                 |                     | SOARD)      |
| C8209             | 1-164-315-11 | CERAMC CHIP   |                | 5.00%    |              | CN8612         | * 1-816-979-51               | PLUG, CONNEC                 |                     |             |
| C8210             | 1-162-964-11 | CERAMC CHIP   |                | 10.00%   |              | CN8614         | * 1-564-508-11               | PLUG, CONNEC                 | TOR 5P              |             |
| C8801             | 1-126-947-11 | ELECT         | 47UF           | 20.00%   | 35V          | (1)            | 1 005 015 11                 | min (commicant               |                     |             |
| C0009             | 1 190 000 11 | ET EOT        | 1110           | 90, 000/ | rov          | CN8616         | 1-695-915-11                 | TAB (CONTACT)                |                     | WDE\ 10D    |
| C8802             | 1-126-960-11 | ELECT         | 1UF            | 20.00%   |              | CN8620         | 1-764-333-11                 | PIN, CONNECTO                | . , ,               | IPE) IUP    |
| C8803             | 1-126-960-11 | ELECT         | 1UF            | 20.00%   |              | CN8810         | * 1-564-510-11               | PLUG, CONNEC                 | IUR /P              |             |
| C8804             | 1-102-114-00 | CERAMC        | 470PF          | 10.00%   |              |                | DI ODE                       |                              |                     |             |
| C8805             | 1-102-114-00 | CERAMC        | 470PF          | 10.00%   |              |                | < DIODE >                    |                              |                     |             |
| C8808             | 1-102-030-00 | CERAMC        | 330PF          | 10.00%   | 500V         | D0109          | 0 710 001 07                 | DIODE MINIO                  | <i>I</i> T1         |             |
| C0000             | 1 100 000 00 | CEDANTC       | 00000          | 10.000/  | r001/        | D8102          | 8-719-081-97                 | DIODE MADL91                 |                     |             |
| C8809             | 1-102-030-00 | CERAMC        | 330PF          | 10.00%   |              | D8103          | 8-719-081-97                 | DIODE MADL91                 |                     |             |
| C8810             | 1-107-368-11 | MYLAR         | 0.047UF        | 10.00%   |              | D8104          | 8-719-081-97                 | DIODE MADL91                 |                     |             |
| C8811             | 1-107-368-11 | MILAR         | 0.047UF        | 10.00%   |              | D8105          | 8-719-081-97                 | DIODE MADL91                 |                     |             |
| C8812             | 1-162-131-11 | CERAMC        | 220PF          | 10.00%   |              | D8107          | 8-719-081-97                 | DIODE MMDL91                 | 411                 |             |
| C8813             | 1-162-134-11 | CERAM C       | 470PF          | 10.00%   | ZKV          | D8108          | 8-719-921-40                 | DIODE MIZJ-4                 | 7C                  |             |
| CQ01 /            | 1 117 840 11 | ETIM          | 6800PF         | 3 UUU/   | 1 91(1)      |                |                              |                              |                     |             |
| C8814             | 1-117-640-11 | FILM          |                | 3.00%    |              | D8128          | 8-719-081-97                 | DIODE MADLO1                 |                     |             |
| C8815             | 1-117-835-11 | FILM          | 6200PF         | 3.00%    |              | D8129          | 8-719-081-97                 | DIODE MADLO1                 |                     |             |
| C8816             | 1-162-964-11 | CERAMC CHIP   |                | 10.00%   |              | D8132          | 8-719-081-97                 | DIODE MADLO1                 |                     |             |
| C8817             | 1-125-893-11 | FILM          | 680PF          | 3.00%    |              | D8133          | 8-719-081-97                 | DIODE MMDL91                 | 411                 |             |
| C8818             | 1-125-893-11 | FILM          | 680PF          | 3.00%    | 1. JVA       | D8198          | 1-535-303-00                 | LEAD, JUMPER                 | (5 OMAX             |             |
| C8819             | 1-125-893-11 | FILM          | 680PF          | 3.00%    | 1 5KV        | D8196<br>D8199 | 8-719-081-97                 | DIODE MMDL91                 |                     |             |
| C8820             | 1-125-893-11 | FILM          | 680PF          | 3.00%    |              | D8611          | 8-719-081-97                 | DIODE MMDL91                 |                     |             |
| C8824             | 1-125-895-11 | FILM          | 0.1UF          | 5.00%    |              | D8612          | 8-719-081-97                 | DIODE MMDL91                 |                     |             |
|                   |              |               |                |          |              |                |                              | DIODE MMDL914<br>DIODE 10E-2 | 111                 |             |
| C8825             | 1-117-662-11 | FILM          | 0.18UF         | 5.00%    |              | D8803          | 8-719-200-02                 | NTONE TOE-7                  |                     |             |
| C8826             | 1-115-519-11 | FILM          | 0.56UF         | 5.00%    | 40UV         | D8805          | 8-719-302-43                 | DIODE EL1Z                   |                     |             |
| C8827             | 1-107-846-11 | FILM          | 0.1UF          | 5.00%    | 400V         | D8806          | 8-719-979-85                 | DIODE EE12<br>DIODE EGP20G   |                     |             |
| C8828             | 1-107-640-11 | FILM          | 10000PF        | 2%       | 100V         | D8807          | 8-719-510-73                 | DIODE EGIZOG<br>DIODE S3L20U |                     |             |
| C8829             | 1-127-680-11 | FILM          | 4700PF         | 2%       | 100V<br>100V | D8808          | 8-719-510-73                 | DIODE S3L20U                 |                     |             |
| C8830             | 1-127-000-11 | ELECT         | 4700FF<br>47UF | 20.00%   |              | D8811          | 8-719-310-73<br>8-719-110-41 | DIODE SSLZOU<br>DIODE RD15ES |                     |             |
|                   |              |               |                |          |              | 10011          | 0-113-110-41                 | סדרות ביידונים               | υĹ                  |             |
| C8831             | 1-102-228-00 | CERAMC        | 470PF          | 10.00%   | JUUV         |                |                              |                              |                     |             |



| REF.NO.        | PART.NO      | DESCRIPTION                              | REMARK | REF.NO. | PART.NO      | DESCRIPTION     |           |             | REMARK     |
|----------------|--------------|--|--------|---------|--------------|-----------------|-----------|-------------|------------|
| D8818          | 8-719-109-89 | DI ODE RD5. 6ESB2                        |        | Q8127   | 8-729-010-05 | TRANSISTOR MS   | R700_ PT  | 1           |            |
| D8819          |              |  |        |         |              | TRANSISTOR MS   |           |             |            |
|                | 8-719-050-38 | DIODE M MA152WK-T1                       |        | Q8128   | 8-729-010-29 |                 |           | 11          |            |
| D8820          | 8-719-081-97 | DIODE MMDL914T1                          |        | Q8132   | 8-729-421-19 | TRANSISTOR UN   |           |             |            |
| D8851          | 8-719-970-87 | DIODE ERA38-06                           |        | Q8135   | 8-729-010-29 | TRANSISTOR MS   |           |             |            |
| D8856          | 8-719-081-97 | DIODE MMDL914T1                          |        | Q8136   | 8-729-010-05 | TRANSISTOR MS   | B709-RT   | 1           |            |
| D8857          | 8-719-110-41 | DI ODE RD15ESB2                          |        | Q8137   | 8-729-010-29 | TRANSISTOR MS   | D601-RS'  | T1          |            |
| D8858          | 8-719-081-97 | DIODE MMDL914T1                          |        | Q8201   | 8-729-010-29 | TRANSISTOR MS   | D601-RS'  | T1          |            |
| D8860          |              | DIODE RD15ESB2                           |        | Q8202   | 8-729-010-29 | TRANSISTOR MS   |           |             |            |
| 20000          | 0 110 110 11 | DIODE IDIOEDE                            |        | Q8203   | 8-729-010-05 | TRANSISTOR MS   |           |             |            |
|                | < FERRITE    | BEAD >                                   |        | Q8455   | 8-729-010-03 | TRANSISTOR MS   |           |             |            |
| FB8806         | 1-410-397-21 | FERRITE 1.1UH                            |        | Q8801   | 0 790 040 47 | TRANSISTOR 2S   | <u> </u>  | ) IV        |            |
|                |              |  |        |         |              |                 |           |             |            |
| FB8807         | 1-410-397-21 | FERRITE 1.1UH                            |        | Q8802   | 8-729-048-47 |                 |           |             |            |
|                |              |  |        | Q8803   | 8-729-056-16 |                 |           |             |            |
|                | < IC >       |  |        | Q8804   | 8-729-056-17 |                 |           |             | A          |
| TC0100         | 0 750 650 67 | TC I ACONODII                            |        | Q8805   | 8-729-050-48 | TRANSISTOR IR   | F614-00   | 5           |            |
| IC8100         |              | IC LA6393DLL                             |        | 00000   | 0 700 047 50 | mp i na amon am | DE3TD 40T | т.          |            |
| IC8101         |              | IC LA6393DLL                             |        | Q8806   | 8-729-047-59 | TRANSISTOR ST   |           | P           |            |
| IC8102         |              | IC NJM\$404AD-W                          |        | Q8807   | 8-729-421-19 |                 |           |             |            |
| IC8103         | 8-759-659-67 | IC LA6393DLL                             |        | Q8822   | 8-729-010-29 | TRANSISTOR MS   | D601-RS'  | T1          |            |
|                |              |  |        | Q8823   | 8-729-424-08 | TRANSISTOR UN   | 2111      |             |            |
|                | < COIL >     |  |        | Q8851   | 6-550-012-01 | TRANSISTOR ST   |           | 033Y)       |            |
|                | COLL         |  |        | 40001   | 0 000 012 01 | TREE DISTOR ST  | 101Ш10(   | 0001)       |            |
| L8801          | 1-410-397-21 | FERRITE 1.1UH                            |        |         | < RESISTO    | IR >            |           |             |            |
| L8802          | 1-410-397-21 | FERRITE 1.1UH                            |        |         |              |                 |           |             |            |
| L8803          | 1-410-397-21 | FERRITE 1.1UH                            |        | R8100   | 1-216-813-11 | METAL CHIP      | 220       | 5%          | 1/10W      |
| L8805          | 1-408-947-00 |  |        | R8101   | 1-216-813-11 | METAL CHIP      |           | 5%          | 1/10W      |
| 10000          | 1 100 011 00 | 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2 |        | R8102   | 1-216-825-11 |                 | 2. 2K     |             | 1/10W      |
|                | TAINITY      | ND.                                      |        | R8103   |              |                 |           |             | 1/10W      |
|                | < INDUCTO    | K >                                      |        |         | 1-216-825-11 |                 | 2. 2K     |             |            |
| I E0001        | 1 400 007 11 | TAIDIPOTOD O OLIT                        |        | R8104   | 1-216-825-11 | METAL CHIP      | 2.2K      | J%          | 1/10W      |
| LF8801         | 1-406-985-11 |  |        | 70.00   |              |                 |           | <b>-</b> 0. | . / . 0777 |
| LF8851         | 1-406-674-11 | INDUCTOR 3.3MH                           |        | R8105   | 1-216-821-11 |                 |           | 5%          | 1/10W      |
|                |              |  |        | R8106   | 1-216-825-11 | METAL CHIP      | 2.2K      |             | 1/10W      |
|                | < TRANSIS    | TOR >                                    |        | R8107   | 1-208-792-11 | METAL CHIP      | 2.7K      | 0.5%        | 1/10W      |
|                |              |  |        | R8108   | 1-208-792-11 | METAL CHIP      | 2.7K      | 0.5%        | 1/10W      |
| Q8100          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8109   | 1-208-814-91 | METAL CHIP      | 22K       | 0.5%        | 1/10W      |
| Q8101          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        |         |              |                 |           |             |            |
| Q8102          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8110   | 1-208-814-91 | METAL CHIP      | 22K       | n 5%        | 1/10W      |
| Q8102          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8111   | 1-216-825-11 | METAL CHIP      | 2. 2K     |             | 1/10W      |
| •              |              |  |        |         |              |                 |           |             |            |
| Q8104          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8112   | 1-216-825-11 | METAL CHIP      | 2. 2K     |             | 1/10W      |
| 00105          | 0 700 010 00 | መከለነሮፕሮማሳክ ኒტክላለ፣ ኮሮሞ፣                   |        | R8113   | 1-216-833-11 | METAL CHIP      |           | 5%          | 1/10W      |
| Q8105          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8114   | 1-216-833-11 | METAL CHIP      | 10K       | 5%          | 1/10W      |
| Q8106          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        |         |              |                 |           |             |            |
| Q8107          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8115   | 1-216-845-11 | METAL CHIP      | 100K      |             | 1/10W      |
| Q8108          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8116   | 1-216-845-11 | METAL CHIP      | 100K      | 5%          | 1/10W      |
| Q8110          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8117   | 1-216-833-11 | METAL CHIP      | 10K       | 5%          | 1/10W      |
| ,              |              |  |        | R8118   | 1-216-833-11 | METAL CHIP      | 10K       | 5%          | 1/10W      |
| Q8112          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8119   | 1-216-833-11 | METAL CHIP      |           | 5%          | 1/10W      |
| Q8113          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | 100110  | 1 210 000 11 | THE CHI         | 1011      | 070         | 1/ 10//    |
| •              |              |  |        | D0190   | 1 910 995 11 | METAL CITED     | 9 91/     | E0/         | 1 /10W     |
| Q8115          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8120   | 1-216-825-11 | METAL CHIP      | 2. 2K     |             | 1/10W      |
| Q8118          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8121   | 1-216-825-11 | METAL CHIP      | 2. 2K     |             | 1/10W      |
| Q8119          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8122   | 1-216-825-11 | METAL CHIP      | 2.2K      |             | 1/10W      |
|                |              |  |        | R8123   | 1-216-841-11 | METAL CHIP      | 47K       | 5%          | 1/10W      |
| Q8120          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8124   | 1-216-821-11 | METAL CHIP      |           | 5%          | 1/10W      |
| Q8122          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        |         |              |                 | -         |             |            |
| Q8122<br>Q8123 | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8125   | 1-216-825-11 | METAL CHIP      | 2.2K      | 50/         | 1/10W      |
| •              |              |  |        |         |              |                 |           |             |            |
| Q8125          | 8-729-010-29 | TRANSISTOR MSD601-RST1                   |        | R8126   | 1-216-815-11 | METAL CHIP      |           | 5%          | 1/10W      |
| Q8126          | 8-729-010-05 | TRANSISTOR MSB709-RT1                    |        | R8127   | 1-208-802-11 | METAL CHIP      | 6.8K      | U. 5%       | 1/10W      |



| REF.NO. | PART.NO      | DESCRIPTION  |       |            | REMARK    | REF.NO. | PART.NO      | DESCRIPTION |               |            | REMARK       |
|---------|--------------|--------------|-------|------------|-----------|---------|--------------|-------------|---------------|------------|--------------|
| R8128   | 1-208-822-11 | METAL CHIP   | 47K   | 0.5%       | 1/10W     | R8203   | 1-216-295-91 | SHORT CHIP  | 0             |            |              |
| R8129   | 1-208-822-11 | METAL CHIP   | 47K   |            | 1/10W     | R8204   | 1-216-295-91 | SHORT CHIP  | 0             |            |              |
| R8130   | 1-208-846-11 | METAL CHIP   |       |            | 1/10W     | R8205   | 1-216-295-91 | SHORT CHIP  | 0             |            |              |
| R8131   | 1-216-815-11 | METAL CHIP   | 330   | 5%         | 1/10W     | R8206   | 1-208-842-11 | METAL CHIP  |               | 0.5%       | 1/10W        |
| R8132   | 1-216-815-11 | METAL CHIP   | 330   | 5%         | 1/10W     | R8207   | 1-216-849-11 | METAL CHIP  | 220K          |            | 1/10W        |
| K6132   | 1-210-810-11 | METAL CHIP   | JJU   | 3%         | 1/10W     | R82U7   | 1-210-849-11 | METAL CHIP  | ZZUN          | 3%         | 1/10W        |
| R8133   | 1-216-815-11 | METAL CHIP   | 330   | 5%         | 1/10W     | R8209   | 1-216-295-91 | SHORT CHIP  | 0             |            |              |
| R8136   | 1-208-822-11 | METAL CHIP   | 47K   | 0.5%       | 1/10W     | R8210   | 1-216-825-11 | METAL CHIP  | 2.2K          | 5%         | 1/10W        |
| R8137   | 1-208-822-11 | METAL CHIP   | 47K   | 0.5%       | 1/10W     | R8211   | 1-216-833-11 | METAL CHIP  | 10K           | 5%         | 1/10W        |
| R8138   | 1-208-822-11 | METAL CHIP   | 47K   | 0.5%       | 1/10W     | R8212   | 1-216-825-11 | METAL CHIP  | 2.2K          | 5%         | 1/10W        |
| R8139   | 1-208-822-11 | METAL CHIP   | 47K   |            | 1/10W     | R8215   | 1-208-822-11 | METAL CHIP  | 47K           |            | 1/10W        |
|         |              |              |       |            |           |         |              |             |               |            |              |
| R8140   | 1-216-825-11 | METAL CHIP   | 2.2K  | 5%         | 1/10W     | R8216   | 1-208-822-11 | METAL CHIP  | 47K           | 0.5%       | 1/10W        |
| R8141   | 1-208-818-11 | METAL CHIP   | 33K   | 0.5%       | 1/10W     | R8217   | 1-216-833-11 | METAL CHIP  | 10K           | 5%         | 1/10W        |
| R8142   | 1-208-798-11 | METAL CHIP   | 4.7K  | 0.5%       | 1/10W     | R8219   | 1-216-841-11 | METAL CHIP  | 47K           | 5%         | 1/10W        |
| R8143   | 1-216-825-11 | METAL CHIP   | 2.2K  | 5%         | 1/10W     | R8220   | 1-216-834-11 | METAL CHIP  | 12K           | 5%         | 1/10W        |
| R8144   | 1-216-846-11 | METAL CHIP   | 120K  |            | 1/10W     | R8221   | 1-216-837-11 | METAL CHIP  | 22K           | 5%         | 1/10W        |
| 70.44   |              |              |       | <b>20.</b> | . // 0777 | D0004   |              |             |               | <b>20.</b> | . /. 0777    |
| R8145   | 1-216-825-11 | METAL CHIP   | 2.2K  |            | 1/10W     | R8224   | 1-216-827-11 | METAL CHIP  | 3.3K          |            | 1/10W        |
| R8146   | 1-208-790-11 | METAL CHIP   |       |            | 1/10W     | R8456   | 1-216-845-11 | METAL CHIP  | 100K          |            | 1/10W        |
| R8149   | 1-216-828-11 | METAL CHIP   | 3.9K  | 5%         | 1/10W     | R8457   | 1-216-834-11 | METAL CHIP  | 12K           | 5%         | 1/10W        |
| R8150   | 1-218-867-11 | METAL CHIP   | 6.8K  | 0.5%       | 1/10W     | R8458   | 1-216-841-11 | METAL CHIP  | 47K           | 5%         | 1/10W        |
| R8153   | 1-216-295-91 | SHORT CHIP   | 0     |            |           | R8459   | 1-216-825-11 | METAL CHIP  | 2.2K          | 5%         | 1/10W        |
| R8154   | 1-216-820-11 | METAL CHIP   | 820   | 5%         | 1/10W     | R8800   | 1-247-895-91 | CARBON      | 470K          | 5%         | 1/4W         |
| R8155   | 1-216-059-00 | RES-CHIP     | 2.7K  |            | 1/10W     | R8804   | 1-247-033-31 | CARBON      | 180           | 5%         | 1/4W         |
|         |              |              |       |            |           |         |              |             |               |            |              |
| R8158   | 1-208-798-11 | METAL CHIP   |       | U. 5%      | 1/10W     | R8805   | 1-249-408-11 | CARBON      | 180           | 5%         | 1/4W         |
| R8159   | 1-216-295-91 | SHORT CHIP   | 0     |            |           | R8806   | 1-249-411-11 | CARBON      | 330           | 5%         | 1/4W         |
| R8160   | 1-216-295-91 | SHORT CHIP   | 0     |            |           | R8807   | 1-249-411-11 | CARBON      | 330           | 5%         | 1/4W         |
| R8161   | 1-208-804-11 | METAL CHIP   | 8. 2K | 0.5%       | 1/10W     | R8808   | 1-260-340-11 | CARBON      | 10K           | 5%         | 1/2W         |
| R8162   | 1-216-821-11 | METAL CHIP   | 1K    | 5%         | 1/10W     | R8809   | 1-260-340-11 | CARBON      | 10K           | 5%         | 1/2W         |
| R8163   | 1-216-833-11 | METAL CHIP   | 10K   | 5%         | 1/10W     | R8810   | 1-216-460-11 | METAL OXIDE | 3.9K          | 5%         | 2W           |
| R8164   | 1-208-814-91 | METAL CHIP   | 22K   | 0.5%       | 1/10W     | R8811   | 1-215-896-00 | METAL OXIDE | 4.7K          |            | 2W           |
| R8165   | 1-208-830-11 | METAL CHIP   |       |            | 1/10W     | R8812   | 1-215-896-00 | METAL OXIDE | 4.7K          |            | 2W           |
| D01.00  | 1 910 990 11 | METAL CLIED  | 1 7T/ | E0/        | 1 /1 000  | D0019   | 1 915 905 11 | METAL OVENE | 0 017         | E0/        | OM           |
| R8168   | 1-216-829-11 | METAL CHIP   | 4.7K  |            | 1/10W     | R8813   | 1-215-895-11 | METAL OXIDE | 3.3K          |            | 2W           |
| R8169   | 1-208-830-11 | METAL CHIP   |       |            | 1/10W     | R8814   | 1-215-880-00 | METAL OXIDE | 10            | 5%         | 2W           |
| R8170   | 1-216-815-11 | METAL CHIP   | 330   | 5%         | 1/10W     | R8815   | 1-215-880-00 | METAL OXIDE | 10            | 5%         | 2W           |
| R8171   | 1-216-825-11 | METAL CHIP   | 2.2K  |            | 1/10W     | R8816   | 1-216-365-00 | METAL OXIDE | 0.47          | 5%         | 2W           |
| R8174   | 1-216-837-11 | METAL CHIP   | 22K   | 5%         | 1/10W     | R8817   | 1-216-361-00 | METAL OXIDE | 0.22          | 5%         | 2W           |
| R8175   | 1-218-867-11 | METAL CHIP   | 6.8K  | 0.5%       | 1/10W     | R8818   | 1-249-405-11 | CARBON      | 100           | 5%         | 1/4W         |
| R8176   | 1-216-833-11 | METAL CHIP   | 10K   | 5%         | 1/10W     | R8819   | 1-247-807-31 | CARBON      | 100           | 5%         | 1/4W         |
| R8177   | 1-216-829-11 | METAL CHIP   | 4.7K  |            | 1/10W     | R8831   | 1-260-124-11 | CARBON      | 120K          |            | 1/2W         |
| R8179   | 1-216-295-91 | SHORT CHIP   | 0     | 070        | 1, 1011   | R8833   | 1-202-972-61 | FUSIBLE     | 1             | 5%         | 1/4W         |
| R8180   | 1-216-825-11 | METAL CHIP   | 2. 2K | 5%         | 1/10W     | R8834   | 1-260-288-11 | CARBON      | 0.47          | 5%         | 1/2W         |
| 10100   | 1 210 020 11 | WEITHE OTHER | ω. ωπ | 070        | 1/ 10//   | 10001   | 1 200 200 11 | Ondon       | 0. 11         | 070        | 1/ 2//       |
| R8181   | 1-216-295-91 | SHORT CHIP   | 0     | <b></b> .  |           | R8835   | 1-260-288-11 | CARBON      | 0.47          | 5%         | 1/2W         |
| R8182   | 1-216-841-11 | METAL CHIP   | 47K   | 5%         | 1/10W     | R8836   | 1-249-431-11 | CARBON      | 15K           | 5%         | 1/4W         |
| R8183   | 1-216-825-11 | METAL CHIP   | 2.2K  |            | 1/10W     | R8837   | 1-215-894-11 | METAL OXIDE | 2.2K          | 5%         | 2W           |
| R8186   | 1-216-828-11 | METAL CHIP   | 3.9K  | 5%         | 1/10W     | R8838   | 1-214-905-11 | METAL       | 47K           | 1%         | 1/2W         |
| R8188   | 1-216-829-11 | METAL CHIP   | 4.7K  | 5%         | 1/10W     | R8839   | 1-215-894-11 | METAL OXIDE | 2.2K          | 5%         | 2W           |
| R8189   | 1-216-818-11 | METAL CHIP   | 560   | 5%         | 1/10W     | R8840   | 1-247-843-11 | CARBON      | 3.3K          | 5%         | 1/4W         |
| R8190   | 1-216-825-11 | METAL CHIP   | 2. 2K |            | 1/10W     | R8842   | 1-247-043-11 | CARBON      | 3. 3K<br>100K |            | 1/4W<br>1/2W |
|         |              |              |       |            |           |         |              |             |               |            |              |
| R8191   | 1-215-925-11 | METAL OXIDE  | 22K   | 5%         | 3W        | R8843   | 1-216-833-11 | METAL CHIP  | 10K           | 5%         | 1/10W        |
| R8196   | 1-249-377-11 | CARBON       | 0.47  | 5%         | 1/4W      | R8844   | 1-216-838-11 | METAL CHIP  | 27K           | 5%         | 1/10W        |
| R8197   | 1-216-841-11 | METAL CHIP   | 47K   | 5%         | 1/10W     | R8845   | 1-216-833-11 | METAL CHIP  | 10K           | 5%         | 1/10W        |



|  | PART.NO   | DESCRIPTION  |  |          | REMARK  | REF.NO.  | PART.NO   | DESCRIPTION  |   | REMARK                     |
|--|---|--|--|----------|---|--|---|--|---|----------------------------|
| 28851  | 1-260-123-11  | CARBON   | 100K   | 5%       | 1/2W  | C6018  | 1-126-949-11  | ELECT  | 220UF   | 20.00% 35V                 |
| 28852  | 1-260-123-11  | CARBON   | 100K   |          | 1/2W  | C6020  | 1-135-946-22  | FILM   | 47000PF   | 3% 800                     |
| 8853   | 1-260-123-11  | CARBON   | 100K   |          | 1/2W  | C6021  | 1-164-645-11  | CERAMC   | 1000FF  | 10.00% 500                 |
| 8854   | 1-249-425-11  | CARBON   | 4.7K   |          | 1/4W  | C6021  | 1-126-963-11  | ELECT  | 4. 7UF  | 20. 00% 50V                |
|  |   |  |  |          |   |  |   |  |   |                            |
| 8856   | 1-215-922-11  | METAL OXIDE  | 6.8K   | 3%       | 3W  | C6023  | 1-110-626-11  | ELECT  | 330UF   | 20.00% 160                 |
| 8857   | 1-215-922-11  | METAL OXIDE  | 6.8K   | 5%       | 3W  | C6024  | 1-164-625-11  | CERAM C  | 680PF   | 10.00% 500                 |
| 28858  | 1-215-922-11  | METAL OXIDE  | 6.8K   | 5%       | 3W  | C6025  | 1-164-625-11  | CERAM C  | 680PF   | 10.00% 500                 |
| 8859   | 1-215-922-11  | METAL OXIDE  | 6.8K   | 5%       | 3W  | C6026  | 1-164-625-11  | CERAM C  | 680PF   | 10.00% 500                 |
| 8865   | 1-216-829-11  | METAL CHIP   | 4.7K   |          | 1/10W   | C6027  | 1-164-625-11  | CERAM C  | 680PF   | 10.00% 500                 |
| R8866  | 1-216-295-91  | SHORT CHIP   | 0  | 070      | 17 1011   | C6028  | 1-128-548-11  | ELECT  | 4700UF  | 20. 00% 25V                |
| 28867  | 1-216-829-11  | METAL CHIP   | 4.7K   | 5%       | 1/10W   | C6029  | 1-126-939-11  | ELECT  | 10000UF   | 20.00% 16V                 |
|  | 1-216-837-11  | METAL CHIP   | 22K  | 5%       | 1/10W   | C6030  | 1-119-940-51  | ELECT  | 4700UF  | 20. 00% 10V<br>20. 00% 50V |
| 28869  |   |  |  |          |   |  |   |  |   | 20.00% 300                 |
| 8870   | 1-216-837-11  | METAL CHIP   | 22K  | 5%       | 1/10W   | C6031  | 1-535-143-71  | LEAD, JUMPER   | . ,   |                            |
| 28885  | 1-208-854-11  | METAL CHIP   |  |          | 1/10W   | C6032 £  | 1-113-927-11  | CERAMC   | 0.01UF  | 250                        |
| 88886  | 1-208-836-11  | METAL CHIP   | 180K   | 0.5%     | 1/10W   | C6033  | 1-162-964-11  | CERAMC CHIP  | 0.001UF   | 10.00% 50V                 |
| 8887   | 1-216-841-11  | METAL CHIP   | 47K  | 5%       | 1/10W   | C6034  | 1-162-968-11  | CERAMC CHIP  | 0.0047UF  | 10.00% 50V                 |
| 8888   | 1-249-441-11  | CARBON   | 100K   | 5%       | 1/4W  | C6035  | 1-136-165-00  | FILM   | 0.1UF   | 5.00% 50V                  |
| 8895   | 1-249-443-11  | CARBON   |  | 5%       | 1/4W  | C6036  | 1-136-479-11  | FILM   | 0.001UF   | 5.00% 100                  |
| R8896  | 1-249-443-11  | CARBON   |  | 5%       | 1/4W  | C6037  | 1-126-947-11  | ELECT  | 47UF  | 20. 00% 35V                |
| R8897  | 1-215-489-00  | METAL  | 680K   |          | 1/4W  | C6038  | 1-164-645-11  | CERAMC   | 1000PF  | 10.00% 500                 |
| woji   | 1-717 <b>-4</b> 02-00   | METAL  | NUOU   | 1/0      | 1/ 178  | 00000  | 1-104-047-11  | OEIVAIVI   | 10001 L   | 10.00/0 300                |
| 8898   | 1-215-493-00  | METAL  | 1M   | 1%       | 1/4W  | C6039  | 1-125-891-11  | CERAMIC CHIP   | 0.47UF  | 10.00% 10V                 |
| 28899  | 1-215-493-00  | METAL  | 1M   | 1%       | 1/4W  | C6040  | 1-115-340-11  | CERAMC CHIP  |   | 10.00% 25V                 |
|  |   |  |  | -        |   | C6045  | 1-115-339-11  | CERAMC CHIP  |   | 10.00% 50V                 |
|  | < TRANSFO   | ORMFR >  |  |          |   | C6102  | 1-126-943-11  | ELECT  | 2200UF  | 20. 00% 25V                |
|  | - TIVIDIC   | /14272HIV /  |  |          |   | C6103  | 1-126-971-11  | ELECT  | 470UF   | 20. 00% 25V<br>20. 00% 50V |
| £ 00887  | 1-453-340-41  | TRANSFORMER A  | ASSY, FI   | LYBACK   | NX-4522//Z2B4   |  |   |  |   |                            |
| T8801  | 1-437-430-11  | TRANSFORMER,   | FERRITI  | E (HDT   | )   | C6105  | 1-126-964-11  | ELECT  | 10UF  | 20.00% 50V                 |
| Г8802  | 1-437-430-11  | TRANSFORMER,   |  | •        | ,   | C6106  | 1-126-964-11  | ELECT  | 10UF  | 20.00% 50V                 |
|  | 1-437-690-11  | TRANSFORMER,   |  | ` .      | <b>,</b>  |  |   |  |   |                            |
| 18852  | 1-457-090-11  |  |  |          |   | 1  | < CONNECT   | UR >   |   |                            |
|  |   | Board <u>, comp</u>  | lete   |          |   |  | COTTLO  |  |   |                            |
| T8852<br>* <b>A-13</b> 0   | 00-179-A GE   |  |  |          |   |  | * 1-691-291-11  |  |   |                            |
|  | 00-179-A G E<br>4-382-854-01  | SCREW (M8X8),  | , P, SW  | . ,      |   | CN6002 £   | * 1-691-291-11<br>* 1-508-786-00  | PIN, CONNECTO  | OR (5MMPIT  | TCH) 2P                    |
|  | 00-179-A G E<br>4-382-854-01  |  | , P, SW  | . ,      |   | CN6002 £<br>CN6003 £   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00  | PIN, CONNECTO<br>PIN, CONNECTO   | OR (5MMPIT<br>OR (5MMPIT  | TCH) 2P<br>TCH) 3P         |
|  | <b>00-179-A G E</b><br>4-382-854-01<br>4-382-854-01   | SCREW (MBX8),<br>SCREW (MBX8),   | , P, SW  | . ,      |   | CN6002 £<br>CN6003 £   | * 1-691-291-11<br>* 1-508-786-00  | PIN, CONNECTO  | OR (5MMPIT<br>OR (5MMPIT  | TCH) 2P<br>TCH) 3P         |
|  | 00-179-A G E<br>4-382-854-01  | SCREW (MBX8),<br>SCREW (MBX8),   | , P, SW  | . ,      |   | CN6002 £<br>CN6003 £<br>CN6004 £   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00  | PIN, CONNECTO<br>PIN, CONNECTO   | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR   | TCH) 2P<br>TCH) 3P         |
| * A-13   | <b>00-179-A G E</b><br>4-382-854-01<br>4-382-854-01   | SCREW (M\$X8),<br>SCREW (M\$X8),<br>YOR >  | , P, SW  | . ,      | 275V  | CN6002 £<br>CN6003 £<br>CN6004 £<br>CN6005   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11  | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P  | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (  | 00-179-A G E 4-382-854-01 4-382-854-01 < CAPACIT  | SCREW (M\$X8),<br>SCREW (M\$X8),<br>OR >   | , P, SW<br>, P, SW   | . ,      | 275V<br>275V  | CN6002 £ CN6003 £ CN6004 £ CN6005 CN6006   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61  | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P  | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 6<br>C6001 £<br>C6002 £  | 4-382-854-01<br>4-382-854-01<br>< CAPACIT   | SCREW (M\$X8),<br>SCREW (M\$X8),<br>YOR ><br>FILM<br>FILM  | , P, SW<br>, P, SW   | (+)      |   | CN6002 £ CN6003 £ CN6004 £ CN6005 CN6006   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11  | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P  | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 6<br>06001 £<br>06002 £<br>06003 £   | 4-382-854-01<br>4-382-854-01<br>< CAPACIT<br>C 1-137-999-11<br>C 1-137-999-11<br>C 1-119-899-51   | SCREW (M\$X8),<br>SCREW (M\$X8),<br>YOR ><br>FILM<br>FILM<br>CERAMIC   | P, SW, P, SW   | (+)      | 275V<br>10.00% 250V   | CN6002 £ CN6003 £ CN6004 £ CN6005 CN6006   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11  | PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P  | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>66001 £<br>66002 £<br>66003 £   | 4-382-854-01<br>4-382-854-01<br>< CAPACIT<br>: 1-137-999-11<br>: 1-137-999-11   | SCREW (M\$X8),<br>SCREW (M\$X8),<br>YOR ><br>FILM<br>FILM<br>CERAMIC   | P, SW, P, SW   | (+)      | 275V  | CN6002 £ CN6003 £ CN6004 £ CN6005 CN6006   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11  | PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P  | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>26001 £<br>26002 £<br>26003 £<br>26004 £  | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-119-899-51 1-119-899-51 1-126-965-91   | SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMIC CERAMIC ELECT   | 0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF   | (+)      | 275V<br>10.00% 250V<br>10.00% 250V<br>20.00% 50V  | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE >   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P<br>TOR 13P<br>TOR 4P                                 | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>06001 £<br>06002 £<br>06003 £<br>06004 £  | 4-382-854-01<br>4-382-854-01<br>< CAPACIT<br>C 1-137-999-11<br>C 1-137-999-11<br>C 1-119-899-51<br>C 1-119-899-51<br>C 1-119-899-51<br>C 1-117-753-11   | SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMC CERAMC ELECT ELECT(BLOCK)  | 0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF   | (+)      | 275V<br>10.00% 250V<br>10.00% 250V<br>20.00% 50V<br>20.00% 450V   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008   | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>DIODE GSIB460<br>DIODE MTZJ-33  | OR (5MM PIT<br>OR (5MM PIT<br>OR (PC BOAR<br>OR 6P<br>TOR 13P<br>TOR 4P                                 | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (<br>6001 £<br>6002 £<br>6003 £<br>6004 £<br>6005  | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-137-999-11 1-119-899-51 1-119-899-51 1-126-965-91 1-117-753-11 1-126-964-11  | SCREW (MSX8), SCREW (MSX8), TOR >  FILM FILM CERAMIC CERAMIC ELECT ELECT(BLOCK) ELECT  | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF   | (+)      | 275V<br>10.00% 250V<br>10.00% 250V<br>20.00% 50V<br>20.00% 450V<br>20.00% 50V   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004                                      | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>DIODE GSIB460<br>DIODE MTZJ-33<br>DIODE UF40051   | OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  TOR 13P TOR 4P  OL/45 BB PKG23                               | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (<br>36001 £<br>36002 £<br>36003 £<br>36004 £<br>36005                                     | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-137-999-11 1-119-899-51 1-119-899-51 1-126-965-91 1-117-753-11 1-126-964-11 1-126-963-11   | SCREW (MSX8), SCREW (MSX8), OOR > FILM FILM CERAMC CERAMC ELECT ELECT(BLOCK) ELECT ELECT   | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF  | (+)      | 275V<br>10.00% 250V<br>10.00% 250V<br>20.00% 50V<br>20.00% 450V<br>20.00% 50V<br>20.00% 50V                                   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006                                | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>DIODE GSIB460<br>DIODE MIZJ-33<br>DIODE UF40051<br>DIODE MADL914  | OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P TOR 13P TOR 4P  DL/45 3B PKG23 4T1                            | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (6001 £ 66002 £ 66003 £ 66004 £ 66005 66007 66008 66010                                    | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-119-899-51 1-119-899-51 1-126-965-91 1-126-964-11 1-126-963-11 1-136-165-00  | SCREW (MSX8), SCREW (MSX8), OOR > FILM FILM CERAMIC CERAMIC ELECT ELECT ELECT ELECT FILM   | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF<br>0.1UF   | (+)      | 275V<br>10. 00% 250V<br>10. 00% 250V<br>20. 00% 50V<br>20. 00% 450V<br>20. 00% 50V<br>20. 00% 50V<br>5. 00% 50V               | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004                                      | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>DIODE GSIB460<br>DIODE MTZJ-33<br>DIODE UF40051   | OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P TOR 13P TOR 4P  DL/45 3B PKG23 4T1                            | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (<br>26001 £<br>26002 £<br>26003 £<br>26004 £<br>26005<br>26006<br>26007<br>26008<br>26010 | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-137-999-11 1-119-899-51 1-119-899-51 1-126-965-91 1-117-753-11 1-126-964-11 1-126-963-11   | SCREW (MSX8), SCREW (MSX8), OOR > FILM FILM CERAMC CERAMC ELECT ELECT(BLOCK) ELECT ELECT   | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF<br>0.1UF   | (+)      | 275V<br>10.00% 250V<br>10.00% 250V<br>20.00% 50V<br>20.00% 450V<br>20.00% 50V<br>20.00% 50V                                   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006                                | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97   | PIN, CONNECTO<br>PIN, CONNECTO<br>PIN, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>PLUG, CONNECTO<br>DIODE GSIB460<br>DIODE MIZJ-33<br>DIODE UF40051<br>DIODE MADL914  | OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P TOR 13P TOR 4P  DL/45 3B PKG23 4T1                            | TCH) 2P<br>TCH) 3P         |
| 6001 £ 6002 £ 6003 £ 6004 £ 6005 6006 6007 6008 6010   | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-119-899-51 1-119-899-51 1-119-899-51 1-126-965-91 1-126-964-11 1-126-963-11 1-136-165-00 1-162-964-11                                | SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMC CERAMC ELECT ELECT(BLOCK) ELECT FILM CERAMC CHIP   | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF<br>0.1UF<br>0.001U   | (+)      | 275V 10.00% 250V 10.00% 250V 20.00% 50V 20.00% 450V 20.00% 50V 20.00% 50V 5.00% 50V 10.00% 50V                                | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007                          | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97<br>8-719-063-70   | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG CONNECTO PLUG, CONN | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P TOR 13P TOR 4P  OL/45 3B PKG23 4T1 4T1            | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>36001 £<br>36002 £<br>36003 £<br>36004 £<br>36005<br>36007<br>36008<br>36010<br>36011 | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  C 1-137-999-11  1-137-999-11  1-119-899-51  1-119-899-51  1-126-965-91  1-126-964-11  1-126-963-11  1-136-165-00  1-162-964-11  1-104-571-91                 | SCREW (M8X8), SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMC CERAMC ELECT ELECT ELECT ELECT FILM CERAMC CHIP  | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF<br>0.1UF<br>0.001U   | (+)<br>F | 275V 10. 00% 250V 10. 00% 250V 20. 00% 50V 20. 00% 450V 20. 00% 50V 20. 00% 50V 10. 00% 50V                                   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007                          | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97<br>8-719-081-97   | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG, CON | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  FOR 13P FOR 4P  OL/45 3B PKG23 4T1 U B2          | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>26001 £<br>26002 £<br>26003 £<br>26004 £  | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  C 1-137-999-11  1-137-999-11  1-119-899-51  1-119-899-51  1-116-965-91  1-126-963-11  1-126-963-11  1-136-165-00  1-162-964-11  1-104-571-91                 | SCREW (M8X8), SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMC CERAMC ELECT ELECT ELECT ELECT FILM CERAMC CHIP  | 0.1UF<br>0.1UF<br>0.1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4.7UF<br>0.1UF<br>0.001U   | (+)<br>F | 275V 10.00% 250V 10.00% 250V 20.00% 50V 20.00% 450V 20.00% 50V 20.00% 50V 5.00% 50V 10.00% 50V                                | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007                          | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97<br>8-719-063-70   | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG CONNECTO PLUG, CONN | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  FOR 13P FOR 4P  OL/45 3B PKG23 4T1 U B2          | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> (26001 £ 26003 £ 26006 £ 26006 £ 26001 £ 26001 £ 26001 £ 26011 £ 26013 £                   | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  C 1-137-999-11  1-137-999-11  1-119-899-51  1-119-899-51  1-126-965-91  1-126-964-11  1-126-963-11  1-136-165-00  1-162-964-11  1-104-571-91                 | SCREW (M8X8), SCREW (M8X8), SCREW (M8X8), OR > FILM FILM CERAMC CERAMC ELECT ELECT ELECT ELECT FILM CERAMC CHIP  | 0. 1UF<br>0. 1UF<br>0. 1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4. 7UF<br>0. 1UF<br>0. 001U                                   | (+)<br>F | 275V 10. 00% 250V 10. 00% 250V 20. 00% 50V 20. 00% 450V 20. 00% 50V 20. 00% 50V 10. 00% 50V                                   | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007  D6008 D6009             | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-999-64<br>8-719-081-97<br>8-719-083-70<br>8-719-110-41   | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG, CON | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  FOR 13P FOR 4P  OL/45 3B PKG23 4T1 U B2          | TCH) 2P<br>TCH) 3P         |
| 36001 £ 36002 £ 36003 £ 36004 £ 36005 36006 36007 36008 36010 36012 £ 36013 £                            | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  CAPACIT  1-137-999-11 1-137-999-11 1-119-899-51 1-119-899-51 1-116-965-91 1-117-753-11 1-126-964-11 1-136-165-00 1-162-964-11 1-136-165-00 1-162-964-11      | SCREW (MSX8), SCREW (MSX8), SCREW (MSX8), OR > FILM FILM CERAMC CERAMC ELECT ELECT ELECT ELECT FILM CERAMC CHIP CERAMC CE | 0. 1UF<br>0. 1UF<br>0. 1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4. 7UF<br>0. 1UF<br>0. 001U                                   | (+)<br>F | 275V 10.00% 250V 10.00% 250V 20.00% 50V 20.00% 50V 20.00% 50V 20.00% 50V 10.00% 50V 10.00% 2KV 10.00% 2KV                     | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007  D6008 D6001 D6001 D6001 | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97<br>8-719-081-97<br>8-719-063-70<br>8-719-110-41<br>8-719-085-24<br>8-719-060-88 | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG CONNECTO PLUG, CONN | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  TOR 13P TOR 4P  DL/45 3B PKG23 4T1 4T1 U B2 7M-B | TCH) 2P<br>TCH) 3P         |
| * <b>A-13</b> 0<br>36001 £<br>36002 £<br>36003 £<br>36004 £<br>36005<br>36007<br>36008<br>36010<br>36011 | 4-382-854-01<br>4-382-854-01<br>< CAPACIT  C 1-137-999-11  1-137-999-11  1-119-899-51  1-119-899-51  1-117-753-11  1-126-963-11  1-126-963-11  1-136-165-00  1-162-964-11  C 1-104-571-91  1-115-339-11 | SCREW (MSX8), SCREW (MSX8), SCREW (MSX8), OR > FILM FILM CERAMC CERAMC ELECT ELECT ELECT ELECT FILM CERAMC CHIP CERAMC CERAMC CERAMC CERAMC CERAMC CERAMC CERAMC CERAMC CERAMC   | 0. 1UF<br>0. 1UF<br>0. 1UF<br>1000PF<br>1000PF<br>22UF<br>470UF<br>4. 7UF<br>0. 1UF<br>0. 001U<br>0. 00151<br>0. 00151<br>0. 1UF | (+)<br>F | 275V 10. 00% 250V 10. 00% 250V 20. 00% 50V 20. 00% 50V 20. 00% 50V 20. 00% 50V 5. 00% 50V 10. 00% 50V 10. 00% 2KV 10. 00% 50V | CN6002 £ CN6003 £ CN6004 £ CN6005  CN6006 CN6008  D6001 D6002 D6004 D6006 D6007  D6008 D6009 D6010       | * 1-691-291-11<br>* 1-508-786-00<br>* 1-508-765-00<br>* 1-691-960-11<br>* 1-817-037-61<br>* 1-564-516-11<br>* 1-564-507-11<br>< DIODE ><br>6-500-067-01<br>8-719-982-26<br>8-719-979-64<br>8-719-081-97<br>8-719-081-97<br>8-719-063-70<br>8-719-110-41<br>8-719-085-24                 | PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PLUG, CON | OR (5MM PIT OR (5MM PIT OR (5MM PIT OR (PC BOAR OR 6P  TOR 13P TOR 4P  DL/45 3B PKG23 4T1 4T1 U B2 7M-B | TCH) 2P<br>TCH) 3P         |

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

| REF.NO. | PART.NO      | DESCRIPTION REMARK          | REF.NO.        | PART.NO                      | DESCRIPTION              |            |             | REMARK         |
|---------|--------------|-----------------------------|----------------|------------------------------|--------------------------|------------|-------------|----------------|
| 6033    | 8-719-022-97 | DIODE D2S4MF                | R6005 £        |                              | CEMENTED                 | 1          | 5%          | 10W            |
| 6034    | 8-719-022-97 | DIODE D2S4MF                | R6006 £        |                              | CEMENTED                 | 1          | 5%          | 10W            |
| 036     | 1-216-295-91 | SHORT CHIP 0                | R6007          | 1-243-979-21                 | METAL OXIDE              | 0.1        | 5%          | 2W             |
| 3101    | 8-719-081-97 | DIODE MMDL914T1             | R6008          | 1-243-979-21                 | METAL OXIDE              | 0.1        | 5%          | 2W             |
| 6102    | 8-719-511-40 | DIODE S1VB40                | R6009          | 1-216-687-11                 | METAL CHIP               | 33K        | 0.5%        | 1/10W          |
| 6103    | 8-719-081-97 | DIODE MMDL914T1             | R6010          | 1-215-481-00                 | METAL                    | 330K       | 1%          | 1/4W           |
| 6104    | 8-719-081-97 | DIODE MMDL914T1             | R6013 £        | 1-218-265-11                 | METAL                    | 8. 2M      | 5%          | 1W             |
| 6105    | 8-719-081-97 | DIODE MMDL914T1             | R6014          | 1-215-926-00                 | METAL OXIDE              | 33K        | 5%          | 3W             |
| 6106    | 8-719-081-97 | DIODE MMDL914T1             | R6015          | 1-208-757-11                 | METAL CHIP               | 91         | 0.5%        | 1/10W          |
| 6107    | 8-719-081-97 | DIODE MMDL914T1             | R6016          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
|         | < FERRITE    | BEAD >                      | R6017          | 1-216-833-11                 | METAL CHIP               | 10K        | 5%          | 1/10W          |
|         |              |                             | R6018          | 1-260-131-11                 | CARBON                   | 470K       |             | 1/2W           |
| B6002   | 1-410-397-21 | FERRITE 1.1UH               | R6019          | 1-260-129-11                 | CARBON                   | 330K       |             | 1/2W           |
| B6003   | 1-410-397-21 | FERRITE 1.1UH               | R6020          | 1-216-820-11                 | METAL CHIP               | 820        | 5%          | 1/10W          |
| B6005   | 1-535-303-00 | LEAD, JUMPER (5.0MM)        | R6021          | 1-216-362-11                 | METAL OXIDE              | 0.27       | 5%          | 2W             |
| B6006   | 1-535-303-00 | LEAD, JUNPER (5.0MM)        | 1.5021         | 11                           |                          |            |             |                |
|         |              |                             | R6022          | 1-216-833-11                 | METAL CHIP               | 10K        | 5%          | 1/10W          |
|         | < IC >       |                             | R6024          | 1-216-615-11                 | METAL CHIP               | 33         |             | 1/10W          |
|         |              |                             | R6029          | 1-216-833-11                 | METAL CHIP               | 10K        | 5%          | 1/10W          |
| C6001   |              | IC MCZ3001D                 | R6030          | 1-216-817-11                 | METAL CHIP               | 470        | 5%          | 1/10W          |
| C6003   | 8-749-016-19 | IC SE135N-LF4               | R6032          | 1-249-417-11                 | CARBON                   | 1K         | 5%          | 1/4W           |
|         | < COIL >     |                             | R6033          | 1-215-481-00                 | METAL                    | 330K       | 1%          | 1/4W           |
|         |              |                             | R6034          | 1-249-389-11                 | CARBON                   | 4.7        | 5%          | 1/4W           |
| 3001    | 1-406-663-21 | INDUCTOR 47UH               | R6035          | 1-260-083-11                 | CARBON                   | 47         | 5%          | 1/2W           |
| 3002    | 1-412-529-11 | INDUCTOR 22UH               | R6036          | 1-216-817-11                 | METAL CHIP               | 470        | 5%          | 1/10W          |
| 6003    | 1-412-529-11 | INDUCTOR 22UH               | R6037          | 1-249-405-11                 | CARBON                   | 100        | 5%          | 1/4W           |
| 6004    | 1-535-303-00 | LEAD, JUMPER (5.0MM)        |                |                              |                          |            |             |                |
| 6005    | 1-535-303-00 | LEAD, JUMPER (5.0MM)        | R6038          | 1-208-830-11                 | METAL CHIP               |            |             | 1/10W          |
|         |              |                             | R6039          | 1-208-830-11                 | METAL CHIP               |            |             | 1/10W          |
| 6006    | 1-406-659-11 | INDUCTOR 10UH               | R6040          | 1-208-814-91                 | METAL CHIP               | 22K        | 0.5%        | 1/10W          |
| 6007    | 1-412-525-31 | INDUCTOR 10UH               | R6042          | 1-216-295-91                 | SHORT CHIP               | 0          |             |                |
|         | < PHOTOCO    | NIDI ED <                   | R6045          | 1-216-639-11                 | METAL CHIP               | 330        | 0.5%        | 1/10W          |
|         | < 1101000    | OFLER >                     | R6047          | 1-216-681-11                 | METAL CHIP               | 18K        | 0.5%        | 1/10W          |
| H6001 f | 8-749-016-21 | TC TCFT1103G                | R6048          | 1-215-481-00                 | METAL                    | 330K       |             | 1/4W           |
|         | 0 110 010 21 | 20 200111000                | R6049          | 1-208-805-11                 | METAL CHIP               |            |             | 1/10W          |
|         | < TRANSIS    | TOR >                       | R6050          | 1-208-758-11                 | METAL CHIP               | 100        |             | 1/10W          |
|         | - 11411010   | 1010                        | R6054          | 1-216-615-11                 | METAL CHIP               | 33         |             | 1/10W          |
| 6003    | 8-729-010-29 | TRANSISTOR MSD601-RST1      |                |                              |                          |            |             |                |
| 6005    | 8-729-029-56 | TRANSISTOR DTA144ESA        | R6056          | 1-216-295-91                 | SHORT CHIP               | 0          |             |                |
| 6006    | 6-550-146-01 | TRANSISTOR SPA07N60C2-E8152 | R6057          | 1-208-798-11                 | METAL CHIP               |            |             | 1/10W          |
| 6007    | 6-550-146-01 | TRANSISTOR SPA07N60C2-E8152 | R6101          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
| 6010    | 8-729-119-78 | TRANSISTOR 2SC2785-HFE      | R6102          | 1-216-829-11                 | METAL CHIP               | 4.7K       |             | 1/10W          |
| 24.04   | 0 700 000 5  | TELLINIA COMOD DELLA LA LEC | R6103          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
| 3101    | 8-729-029-56 | TRANSISTOR DTA144ESA        | D04.0.4        | 1 010 004 44                 | TALIT CLAD               | 177        | <b>F0</b> / | 1 /1011        |
| 6102    | 8-729-010-29 | TRANSISTOR MSD601-RST1      | R6104          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
| 3103    | 8-729-029-56 | TRANSISTOR DTA144ESA        | R6105          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
| 3104    | 8-729-010-29 | TRANSISTOR MSD601-RST1      | R6106          | 1-216-829-11                 | METAL CHIP               | 4.7K       |             | 1/10W          |
| 3105    | 8-729-010-29 | TRANSISTOR NSD601-RST1      | R6107<br>R6108 | 1-216-829-11<br>1-216-821-11 | METAL CHIP<br>METAL CHIP | 4.7K<br>1K | 5%<br>5%    | 1/10W<br>1/10W |
|         | < RESISTO    | R >                         | 10100          | 1 210 021-11                 |                          | 11/        | J/U         |                |
|         |              |                             | R6109          | 1-216-829-11                 | METAL CHIP               | 4.7K       |             | 1/10W          |
| R6004   | 1-216-295-91 | SHORT CHIP 0                | R6110          | 1-216-821-11                 | METAL CHIP               | 1K         | 5%          | 1/10W          |
| 6003 £  | 1-202-933-61 | FUSIBLE 0.1 10% 1/2W        |                |                              |                          |            |             |                |
|         | 1-205-998-11 | CEMENTED 1 5% 10W           |                |                              |                          |            |             |                |



| REF.NO.   | PART.NO   | DESCRIPTION  | REMARK           | REF.NO.  | PART.NO  | DESCRIPTION  |   |  | REMARK  |
|---|---|--|------------------|--|--|--|---|--|---|
|   | < RELAY >   | •  |                  | FB0008   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
|   |   |  |                  | FB0009   | 1-412-006-31   | INDUCTOR   | 10UH  |  |   |
| RY6001 £  | 1-755-395-11  | RELAY (AC POWER)   |                  | FB0010   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
| RY6002 £  | 1-755-389-11  | RELAY (AC POWER)   |                  | FB0011   | 1-412-006-31   | INDUCTOR   | 10UH  |  |   |
|   |   | · · · · · · · · · · · · · · · · · · ·  |                  | FB0012   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
|   | < TRANSFO   | DRMER >  |                  |  |  |  |   |  |   |
|   |   |  |                  | FB0015   | 1-216-864-11   | SHORT CHIP   | 0   |  |   |
| T6002 £   | 1-437-443-11  | TRANSFORMER, CONVERTER   | (PIT)            | FB0016   | 1-216-864-11   | SHORT CHIP   | 0   |  |   |
| Г6003 £   | 1-424-896-11  | TRANSFORMER, LINE FILTE  | R                | FB0017   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
| 6101 £  | 1-437-483-11  | TRANSFORMER, STANDBY   |                  | FB0018   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
|   |   |  |                  | FB0019   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
|   | < THERMS  | TOR >  |                  |  |  |  |   |  |   |
|   |   |  |                  | FB0020   | 1-216-295-91   | SHORT CHIP   | 0   |  |   |
| TH6002 £  | 1-804-650-11  | THERMSTOR, POSITIVE  |                  |  | T.0  |  |   |  |   |
| * A-130   | 0-287-A M F   | Board, complete  |                  |  | < IC >   |  |   |  |   |
| 71 100  | J   | ouru, comprete   |                  | IC0001   | 8-759-699-33   | IC M24C16-M  | 6T(A)   |  |   |
|   | < CAPACIT   | OR >   |                  | IC0002   | 6-702-496-02   | IC SAA5667HL   |   | 6  |   |
|   |   |  |                  | IC0002   |  | IC PST573IM  |   |  |   |
| 0001  | 1-107-826-11  | CERAMIC CHIP 0.1UF   | 10.00% 16V       |  | 8-759-665-11   | IC LM893DT   |   |  |   |
| 0002  | 1-107-826-11  | CERAMIC CHIP 0.1UF   | 10.00% 16V       |  | 6-702-395-01   | IC K6F2008V2   | F_YF70T   |  |   |
| 0002  | 1-165-128-11  | CERAMIC CHIP 0. 22UF   | 16.00% 16V       |  | 0 102 000-01   | 10 101 2000 12   | n 11101   |  |   |
| 0006  | 1-126-947-11  | ELECT 47UF   | 20. 00% 35V      | I  | < TRANSIS  | STOR >   |   |  |   |
| 0007  | 1-107-826-11  | CERAMIC CHIP 0.1UF   | 10.00% 16V       | I  | < 11V11013   | )10It >  |   |  |   |
| 5001  | 1 107 020 11  | omenio omi o.ioi   | 10.00/0 101      | Q0002  | 8-729-424-08   | TRANSISTOR U   | N9111   |  |   |
| 8000  | 1-107-826-11  | CERAMIC CHIP 0.1UF   | 10.00% 16V       |  | 8-729-424-08   | TRANSISTOR U   |   |  |   |
| 0009  | 1-165-128-11  | CERAMIC CHIP 0. 22UF   | 16.00% 16V       | 7  | 8-729-010-29   | TRANSISTOR N   |   | СТ1  |   |
| 0010  | 1-162-927-11  | CERAMIC CHIP 100PF   | 5.00% 50V        | 7  | 8-729-027-44   | TRANSISTOR D   |   |  | e   |
| 0011  | 1-165-128-11  | CERAMIC CHIP 0. 22UF   | 16V              | V  | 8-729-027-44   | TRANSISTOR D   |   |  |   |
| 0012  | 1-162-924-11  | CERAMIC CHIP 56PF  | 5.00% 50V        | 7  | 0-129-021-44   | TIVATOT 2101V T  | 101141N   | A-1140                                       | J   |
| 0012  | 1 102 021 11  | CLIVENTO CHET JOH  | J. 00/0 JUV      | Q0009  | 8-729-027-44   | TRANSISTOR D   | TTC11//TTV  | λ T1 16                                      | ß   |
| 0013  | 1-165-128-11  | CERAMIC CHIP 0. 22UF   | 16V              |  | 8-729-027-44   | TRANSISTOR D   |   |  |   |
| 0015  | 1-105-126-11  | CERAMIC CHIEF 2. 2E+06PF   | 6.3              | 7  | 8-729-010-29   | TRANSISTOR I   |   |  | 3   |
| 0016  | 1-165-128-11  | CERAMC CHIP 0. 22UF  | 16V              | - V  |  | TRANSISTOR U   |   | 311  |   |
| 20017   | 1-162-924-11  | CERAMIC CHIP 56PF  | 5. 00% 50V       | 4  | 8-729-424-08   |  |   |  |   |
| 0017  | 1-102-324-11  | CERAMIC CHIP 0. 22UF   | 3.00% 30V<br>16V | V  | 8-729-421-22   | TRANSISTOR U   | IVZ Z I I   |  |   |
| 0013  | 1-105-120-11  | CEIVAIVI CHIII U. 22UF   | 101              |  | < RESISTO  | )R >   |   |  |   |
| 00020   | 1-162-923-11  | CERAMIC CHIP 47PF  | 5.00% 50V        |  |  |  |   |  |   |
| 0025  | 1-162-962-11  | CERAMIC CHIP 470PF   | 10.00% 50V       | R0001  | 1-216-045-00   | RES-CHIP   | 680   | 5%   | 1/10W   |
| 0026  | 1-162-962-11  | CERAMIC CHIP 470PF   | 10.00% 50V       |  | 1-216-055-00   | RES-CHIP   | 1.8K  |  | 1/10W   |
| 0027  | 1-162-962-11  | CERAMIC CHIP 470PF   | 10.00% 50V       |  | 1-216-025-11   | RES-CHIP   | 100   | 5%   | 1/10W   |
|   | 1-126-947-11  | ELECT 47UF   | 20.00% 35V       |  | 1-216-025-11   | RES-CHIP   | 100   | 5%   | 1/10W   |
| 0028  |   |  |                  | I  |  |  | 22K   | 5%   | 1/10W   |
| 0028  |   |  |                  | R0014  | 1-216-081-00   | RES-CHIP   |   |  |   |
| 0028  | < CONNECT   | YOR >  |                  |  |  |  |   |  |   |
|   | < CONNECT   |  |                  | R0016  | 1-216-081-00<br>1-216-025-11   | RES-CHIP   | 100   | 5%   | 1/10W   |
|   | < CONNECT   | YOR >  CONNECTOR, BOARD TO BOA   | RD 40P           |  |  |  |   | 5%<br>5%                                     | 1/10W<br>1/10W  |
|   | < CONNECT   | CONNECTOR, BOARD TO BOA  | RD 40P           | R0016  | 1-216-025-11   | RES-CHIP   | 100   |  |   |
|   | < CONNECT   | CONNECTOR, BOARD TO BOA  | RD 40P           | R0016<br>R0017   | 1-216-025-11<br>1-216-093-91   | RES-CHIP<br>RES-CHIP   | 100<br>68K  | 5%   | 1/10W   |
| SN0001 *  | < CONNECT   | CONNECTOR, BOARD TO BOA  | RD 40P           | R0016<br>R0017<br>R0018  | 1-216-025-11<br>1-216-093-91<br>1-216-025-11   | RES-CHIP<br>RES-CHIP<br>RES-CHIP   | 100<br>68K<br>100   | 5%<br>5%                                     | 1/10W<br>1/10W  |
| CN0001 *  | < CONNECT   | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019   | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91   | RES-CHIP<br>RES-CHIP<br>RES-CHIP<br>RES-CHIP   | 100<br>68K<br>100<br>10K  | 5%<br>5%<br>5%                               | 1/10W<br>1/10W<br>1/10W   |
| 2N0001 *  | < CONNECT   | CONNECTOR, BOARD TO BOA  | RD 40P           | R0016<br>R0017<br>R0018<br>R0019   | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91   | RES-CHIP<br>RES-CHIP<br>RES-CHIP<br>RES-CHIP   | 100<br>68K<br>100<br>10K  | 5%<br>5%<br>5%                               | 1/10W<br>1/10W<br>1/10W   |
| 2N0001 *  | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56                                       | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020  | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11   | RES-CHIP<br>RES-CHIP<br>RES-CHIP<br>RES-CHIP   | 100<br>68K<br>100<br>10K<br>1K                                    | 5%<br>5%<br>5%<br>5%                         | 1/10W<br>1/10W<br>1/10W<br>1/10W  |
| 2N0001 *  | < CONNECT   | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020  | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11<br>1-216-809-11   | RES-CHIP<br>RES-CHIP<br>RES-CHIP<br>RES-CHIP<br>METAL CHIP                             | 100<br>68K<br>100<br>10K<br>1K                                    | 5%<br>5%<br>5%<br>5%                         | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W                                     |
| N0001 *   | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56                                       | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020<br>R0022<br>R0023                            | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11<br>1-216-809-11<br>1-216-097-11                                 | RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP                         | 100<br>68K<br>100<br>10K<br>1K                                    | 5%<br>5%<br>5%<br>5%<br>5%                   | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W                            |
| N0001 * 0001 0301   | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56                                       | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020<br>R0022<br>R0023<br>R0027                   | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11<br>1-216-809-11<br>1-216-097-11<br>1-216-821-11                 | RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP METAL CHIP RES-CHIP                       | 100<br>68K<br>100<br>10K<br>1K<br>100<br>100K<br>1K               | 5%<br>5%<br>5%<br>5%<br>5%<br>5%             | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W                   |
| N0001 * 0001 0301 B0003   | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56  < FERRITE                            | CONNECTOR, BOARD TO B | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020<br>R0022<br>R0023<br>R0027<br>R0028          | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11<br>1-216-809-11<br>1-216-097-11<br>1-216-821-11<br>1-216-833-11 | RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP METAL CHIP RES-CHIP METAL CHIP METAL CHIP | 100<br>68K<br>100<br>10K<br>1K<br>100<br>100K<br>1K<br>10K        | 5%<br>5%<br>5%<br>5%<br>5%<br>5%<br>5%       | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W          |
| 2N0001 * 00001 00301 2B0003 2B0004  | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56  < FERRITE 1-216-295-91               | CONNECTOR, BOARD TO BOARD  DI ODE BAS40-05E6327 DI ODE UDZSTE-176. 2B  E BEAD >  SHORT CHIP 0  | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020<br>R0022<br>R0023<br>R0027<br>R0028          | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-073-91<br>1-216-049-11<br>1-216-809-11<br>1-216-097-11<br>1-216-821-11<br>1-216-833-11 | RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP METAL CHIP RES-CHIP METAL CHIP METAL CHIP | 100<br>68K<br>100<br>10K<br>1K<br>100<br>100K<br>1K<br>10K        | 5%<br>5%<br>5%<br>5%<br>5%<br>5%<br>5%       | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W          |
| C0028 CN0001 * CN0001 * CN0001 CN0001 CN0001 CN0001 CN0001 CN0001 CN0001 CN0001 | < CONNECT  1-793-497-11  < DIODE >  6-500-079-01 8-719-069-56  < FERRITE  1-216-295-91 1-412-006-31 | CONNECTOR, BOARD TO BOA  DI ODE BAS 40-05E6327 DI ODE UDZSTE-176. 2B  E BEAD >  SHORT CHIP 0 INDUCTOR 10UH   | RD 40P           | R0016<br>R0017<br>R0018<br>R0019<br>R0020<br>R0022<br>R0023<br>R0027<br>R0028<br>R0029 | 1-216-025-11<br>1-216-093-91<br>1-216-025-11<br>1-216-049-11<br>1-216-809-11<br>1-216-821-11<br>1-216-833-11<br>1-216-025-11                 | RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP METAL CHIP METAL CHIP METAL CHIP RES-CHIP | 100<br>68K<br>100<br>10K<br>1K<br>100<br>100K<br>1K<br>10K<br>10K | 5%<br>5%<br>5%<br>5%<br>5%<br>5%<br>5%<br>5% | 1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W<br>1/10W |



| REF.NO.           | PART.NO      | DESCRIPTION    |        |          | REMARK         | REF.NO. | PART.NO        | DESCRIPTION                           |            | REM     | ARK  |
|-------------------|--------------|----------------|--------|----------|----------------|---------|----------------|---------------------------------------|------------|---------|------|
| R0034             | 1-218-725-11 | METAL CHIP     | 24K    | 0.5%     | 1/10W          | * A-13  | 00-532-A C E   | Board, comp                           | lete       |         |      |
| 20035             | 1-216-069-00 | RES-CHIP       | 6.8K   |          | 1/10W          |         |                |                                       |            |         |      |
| 0037              | 1-216-061-91 | RES-CHIP       | 3. 3K  | 5%       | 1/10W          |         | 4-382-854-01   | SCREW (MSX8),                         | P. SW (+)  |         |      |
| 0039              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          |         | 1 002 001 01   | bolasti (norio),                      | 1, 511 (1) |         |      |
| 0040              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W<br>1/10W |         | < CAPACI       | IUD ~                                 |            |         |      |
| UU <del>1</del> U | 1-210-009-11 | WEIAL CHI      | 100    | J/0      | 1/ 10W         |         | < CAFACI:      | IUN >                                 |            |         |      |
| 0041              | 1-216-057-00 | RES-CHIP       | 2.2K   | 5%       | 1/10W          | C7303   | 1-162-909-11   | CERAMC CHIP                           | 4PF        | 0. 25PF | 50V  |
| 0042              | 1-216-069-00 | RES-CHIP       | 6.8K   |          | 1/10W          | C7304   | 1-107-967-11   |                                       | 1UF        | 20.00%  |      |
| 0043              | 1-216-803-11 | METAL CHIP     | 33     | 5%       | 1/10W          | C7305   | 1-136-207-11   |                                       | 0.047UF    | 5.00%   |      |
| 0043              | 1-216-025-11 | RES-CHIP       | 100    | 5%       | 1/10W<br>1/10W | C7306   | 1-163-009-91   | CERAMC CHIP                           |            | 10.00%  |      |
| )044<br>)045      | 1-216-803-11 | METAL CHIP     | 33     | 5%<br>5% | 1/10W<br>1/10W | C7308   | 1-162-909-91   | CERAMC CHIP                           |            | 0. 25PF |      |
| 0043              | 1-210-000-11 | WEIAL CHI      | 33     | J/0      | 1/ 1UW         | 07300   | 1-102-909-11   | CERAIVIC CHIT                         | 411        | U. ZJIT | JUV  |
| 0046              | 1-216-803-11 | METAL CHIP     | 33     | 5%       | 1/10W          | C7309   | 1-163-035-00   | CERAMC CHIP                           | 0.047UF    |         | 50V  |
| 0047              | 1-216-810-11 | METAL CHIP     | 120    | 5%       | 1/10W          | C7310   | 1-163-247-91   | CERAMC CHIP                           | 68PF       | 5.00%   | 50V  |
| 0048              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7325   | 1-162-909-11   | CERAMIC CHIP                          | 4PF        | 0. 25PF |      |
| 0049              | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          | C7326   | 1-163-009-91   | CERAMC CHIP                           |            | 10.00%  |      |
| 0050              | 1-216-810-11 | METAL CHIP     | 120    | 5%       | 1/10W          | C7329   | 1-107-967-11   |                                       | 1UF        | 20.00%  |      |
| 0000              | 1 210 010 11 | WEITHE CHIT    | 120    | 370      | 1/ 1011        | 01020   | 1 107 007 11   | ILLOI                                 | 101        | 20.00/0 | 1001 |
| 0051              | 1-216-835-11 | METAL CHIP     | 15K    | 5%       | 1/10W          | C7330   | 1-136-207-11   | MYLAR                                 | 0.047UF    | 5.00%   | 630V |
| 0052              | 1-216-810-11 | METAL CHIP     | 120    | 5%       | 1/10W          | C7331   | 1-162-909-11   | CERAMIC CHIP                          | 4PF        | 0.25PF  | 50V  |
| 0053              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7333   | 1-163-035-00   | CERAMC CHIP                           | 0.047UF    |         | 50V  |
| 0054              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7334   | 1-163-247-91   | CERAMC CHIP                           | 68PF       | 5.00%   | 50V  |
| 0055              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7350   | 1-126-947-11   | ELECT                                 | 47UF       | 20.00%  |      |
|                   |              |                |        |          |                |         |                |                                       |            |         |      |
| 0056              | 1-216-833-11 | METAL CHIP     | 10K    | 5%       | 1/10W          | C7351   | 1-162-909-11   | CERAMC CHIP                           |            | 0. 25PF |      |
| 0057              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7352   | 1-163-009-91   | CERAMIC CHIP                          |            | 10.00%  |      |
| 0058              | 1-216-823-11 | METAL CHIP     | 1.5K   | 5%       | 1/10W          | C7354   | 1-126-933-11   |                                       | 100UF      | 20.00%  |      |
| 20059             | 1-216-841-11 | METAL CHIP     | 47K    | 5%       | 1/10W          | C7355   | 1-107-967-11   |                                       | 1UF        | 20.00%  |      |
| 20060             | 1-216-833-11 | METAL CHIP     | 10K    | 5%       | 1/10W          | C7356   | 1-136-207-11   | MYLAR                                 | 0.047UF    | 5.00%   | 630V |
| 00061             | 1-216-833-11 | METAL CHIP     | 101/   | 5%       | 1/10W          | C7950   | 1-162-909-11   | CERAMC CHIP                           | 4DE        | 0. 25PF | EOU  |
| 20061             |              | METAL CHIP     | 10K    |          |                | C7358   |                |                                       |            | U. ZOFF |      |
| 20062             | 1-216-833-11 |                | 10K    | 5%       | 1/10W          | C7359   | 1-163-035-00   | CERAMC CHIP                           |            | F 000/  | 50V  |
| 20063             | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          | C7360   | 1-163-247-91   | CERAMC CHIP                           |            | 5.00%   |      |
| 20065             | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          | C7378   | 1-162-116-00   | CERAMC                                | 680PF      | 10.00%  |      |
| 20066             | 1-218-871-11 | METAL CHIP     | 10K    | 0.5%     | 1/10W          | C7379   | 1-162-114-00   | CERAMC                                | 0.0047UF   |         | 2KV  |
| 0067              | 1-216-833-11 | METAL CHIP     | 10K    | 5%       | 1/10W          | C7380   | 1-107-662-11   | ELECT                                 | 22UF       | 20.00%  | 350V |
| 20068             | 1-216-833-11 | METAL CHIP     | 10K    | 5%       | 1/10W          | C7384   | 1-162-911-11   | CERAMC CHIP                           |            | 0. 50PF |      |
| 0069              | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          | C7385   | 1-162-913-11   |                                       |            | 0. 50PF |      |
| 0070              | 1-216-025-11 | RES-CHIP       | 100    | 5%       | 1/10W          | C7387   | 1-162-911-11   |                                       |            | 0. 50FF |      |
| 0071              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7388   | 1-162-913-11   |                                       |            | 0. 50FF |      |
| 0011              | 1 210 000 11 | HEITE CHI      | 100    | 070      | 1/ 1011        | 0,000   | 1 102 010 11   | CHICAGO CIRI                          | 011        | 0.0011  | 001  |
| 0072              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7390   | 1-162-911-11   | CERAMC CHIP                           | 6PF        | 0.50PF  | 50V  |
| 0073              | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          | C7391   | 1-162-913-11   | CERAMC CHIP                           | 8PF        | 0.50PF  | 50V  |
| 20074             | 1-216-809-11 | METAL CHIP     | 100    | 5%       | 1/10W          |         |                |                                       |            |         |      |
| 20075             | 1-216-025-11 | RES-CHIP       | 100    | 5%       | 1/10W          |         | < CONNEC       | ΓOR >                                 |            |         |      |
| 0076              | 1-216-049-11 | RES-CHIP       | 1K     | 5%       | 1/10W          |         |                |                                       |            |         |      |
| -                 |              | - <del>-</del> |        |          | ÷              | CN7300  | * 1-564-508-11 | PLUG, CONNECT                         | TOR 5P     |         |      |
| 0078              | 1-216-817-11 | METAL CHIP     | 470    | 5%       | 1/10W          | CN7301  | * 1-564-512-11 | PLUG, CONNECT                         | TOR 9P     |         |      |
| 0079              | 1-216-065-91 | RES-CHIP       | 4.7K   | 5%       | 1/10W          | CN7311  |                | TAB (CONTACT)                         |            |         |      |
| 0301              | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          | CN7333  |                | TAB (CONTACT)                         |            |         |      |
| 0302              | 1-216-073-91 | RES-CHIP       | 10K    | 5%       | 1/10W          |         |                | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |            |         |      |
| 0303              | 1-216-836-11 | METAL CHIP     | 18K    | 5%       | 1/10W          |         | < DIODE :      | >                                     |            |         |      |
|                   |              |                |        |          |                |         |                |                                       |            |         |      |
| 20304             | 1-218-867-11 | METAL CHIP     | 6.8K   | 0.5%     | 1/10W          | D7300   |                | DIODE 1SS119-                         |            |         |      |
|                   |              |                |        |          |                | D7325   | 8-719-911-19   |                                       |            |         |      |
|                   | < CRYSTAI    | . >            |        |          |                | D7350   | 8-719-911-19   |                                       |            |         |      |
|                   |              |                |        |          |                | D7375   |                | DIODE 1SS1337                         |            |         |      |
| 0001              | 4 500 004 04 | VIBRATOR, CR   | TATION |          |                | D7376   | 0 710 001 00   | DIODE 1SS1337                         | . ~~       |         |      |

R7363

1-216-819-11 METAL CHIP 680 5% 1/10W



| REF.NO. | PART.NO      | DESCRIPTION          | REMARK  | REF.NO.        | PART.NO                      | DESCRIPTION                           | REMARK            |
|---------|--------------|----------------------|---------|----------------|------------------------------|---------------------------------------|-------------------|
| 7378    | 8-719-109-89 | DIODE RD5. 6ESB2     |         | R7364          | 1-216-824-11                 | METAL CHIP 1.8K 5                     | 5% 1/10W          |
| 379     | 8-719-109-89 | DI ODE RD5. 6ESB2    |         | R7373          | 1-216-823-11                 | METAL CHIP 1.5K 5                     | 5% 1/10W          |
|         | 8-719-302-43 | DIODE EL1Z           |         | R7374          | 1-216-819-11                 | METAL CHIP 680 5                      | 5% 1/10W          |
| '381    | 8-719-302-43 | DIODE EL1Z           |         | R7375          | 1-249-435-11                 | CARBON 33K 5                          | 5% 1/4W           |
| 7382    | 8-719-302-43 | DIODE EL1Z           |         | R7376          | 1-249-429-11                 | CARBON 10K 5                          | 5% 1/4W           |
|         | < IC >       |                      |         | R7377          | 1-249-430-11                 | CARBON 12K 5                          | 5% 1/4W           |
|         |              |                      |         | R7379          | 1-216-833-11                 |                                       | 5% 1/10W          |
| C7300   | 8-759-360-83 | IC TDA6111Q/N4       |         | R7380          | 1-216-833-11                 |                                       | 5% 1/10W          |
|         | 8-759-360-83 | IC TDA6111Q/N4       |         | R7381          | 1-216-833-11                 |                                       | 5% 1/10W          |
|         |              | IC TDA6111Q/N4       |         | R7382          | 1-202-549-00                 |                                       | 20% 1/2W          |
|         | COCIATE      |                      |         | D7000          | 1 010 040 00                 | NUTAL OWEDE 1                         | 70/ <b>1</b> 337  |
|         | < SOCKET     | >                    |         | R7383<br>R7385 | 1-216-349-00                 |                                       | 5% 1W<br>20% 1/2W |
| מייר ר  | 1 051 700 11 | COCITET CITE         |         |                | 1-202-549-00                 |                                       |                   |
| 3/3 t   | 1-251-732-11 | SUCKEI, UKI          |         | R7387          | 1-247-735-11                 |                                       | 5% 1/2W           |
|         | < COIL >     |                      |         | R7388<br>R7389 | 1-535-143-51<br>1-247-881-00 | LEAD, JUMPER (20.00M<br>CARBON 120K 5 | •                 |
|         |              |                      |         |                |                              |                                       |                   |
|         | 1-410-671-31 | INDUCTOR 47UH        |         | R7390          | 1-249-417-11                 |                                       | 5% 1/4W           |
|         | 1-532-637-00 | LINK, IC 1A/50V      |         | R7391          | 1-216-824-11                 | METAL CHIP 1.8K 5                     |                   |
| 378     | 1-414-934-21 | INDUCTOR 10UH        |         | R7392          | 1-216-819-11                 |                                       | 5% 1/10W          |
|         |              |                      |         | R7393          | 1-216-823-11                 | METAL CHIP 1.5K 5                     |                   |
|         | < TRANSIS    | STOR >               |         | R7394          | 1-249-417-11                 | CARBON 1K 5                           | 5% 1/4W           |
| 350     | 8-729-901-06 | TRANSISTOR DTA144EK  |         | R7395          | 1-216-824-11                 | METAL CHIP 1.8K 5                     | 5% 1/10W          |
| 7352    | 8-729-421-19 | TRANSISTOR UN2213    |         | R7396          | 1-216-819-11                 | METAL CHIP 680 5                      | 5% 1/10W          |
| 7353    | 8-729-421-19 | TRANSISTOR UN2213    |         | R7397          | 1-216-823-11                 | METAL CHIP 1.5K 5                     | 5% 1/10W          |
| 7354    | 8-729-901-06 | TRANSISTOR DTA144EK  |         | R7398          | 1-249-417-11                 | CARBON 1K 5                           | 5% 1/4W           |
| 7355    | 8-729-421-19 | TRANSISTOR UN2213    |         | R7399          | 1-216-824-11                 | METAL CHIP 1.8K 5                     | 5% 1/10W          |
|         | < RESISTO    | )R >                 |         |                | < RESISTOR VARI              | ABLE >                                |                   |
| 7300    | 1-249-417-11 | CARBON 1K 5%         | 1/4W    | RV7375         | 1-241-656-11                 | RES, ADJ, METAL FILM                  | 110M              |
|         | 1-535-303-00 | LEAD, JUMPER (5.0MM) |         |                |                              |                                       |                   |
|         | 1-216-824-11 | METAL CHIP 1.8K 5%   | 1/10W   | * A-16         | 25-000-A F4                  | Board, complete                       |                   |
|         | 1-260-095-11 | CARBON 470 5%        | 1/2W    |                |                              |                                       |                   |
|         | 1-215-903-11 | METAL OXIDE 68K 5%   | 2W      |                | * 4-374-846-01               | COVER, CAPACITOR, CAI                 | P TYPE            |
| 7306    | 1-535-143-61 | LEAD, JUMPER (5.0MM) |         |                | < CAPACIT                    | TOR >                                 |                   |
|         | 1-216-824-11 | METAL CHIP 1.8K 5%   | 1/10W   |                |                              |                                       |                   |
|         | 1-216-819-11 | METAL CHIP 680 5%    | 1/10W   | C6991          | 1-113-924-11                 | CERAMC 0.0047UI                       | 20.00% 250V       |
|         | 1-249-417-11 | CARBON 1K 5%         | 1/4W    |                |                              |                                       |                   |
|         | 1-535-303-00 | LEAD, JUMPER (5.0MM) |         |                | < CONNECT                    | TOR >                                 |                   |
| 7328    | 1-216-824-11 | METAL CHIP 1.8K 5%   | 1/10W   | CN6991 £       | * 1-580-843-11               | PIN, CONNECTOR (POWER                 | (3)               |
|         | 1-260-095-11 | CARBON 470 5%        | 1/2W    | CN6992 £       | * 1-691-291-11               | PIN, CONNECTOR (PC BC                 | OARD) 5P          |
|         | 1-215-903-11 | METAL OXIDE 68K 5%   | 2W      | CN6993         | 1-695-915-11                 | TAB (CONTACT)                         |                   |
|         | 1-535-143-61 | LEAD, JUMPER (5.0MM) |         |                |                              |                                       |                   |
|         | 1-216-819-11 | METAL CHIP 680 5%    | 1/10W   |                | < FUSE >                     |                                       |                   |
| 335     | 1-216-824-11 | METAL CHIP 1.8K 5%   | 1/10W   | F6991 £        | 1-576-232-11                 | FUSE (H. B. C.) 5A/250V               | <i>I</i>          |
|         |              |                      |         |                | 1-570-252-11                 | FUSE HOLDER (F6991)                   |                   |
|         | 1-249-417-11 |                      | 1/4W    | ī              | 1-335-723-11                 | LOT HOLDEY (LOSSI)                    |                   |
|         | 1-535-303-00 | LEAD, JUMPER (5.0MM) | 1 /1 OW |                | < RESISTO                    | מר.                                   |                   |
|         | 1-216-824-11 | METAL CHIP 1.8K 5%   | 1/10W   |                | < ke31310                    | n. >                                  |                   |
| 357     | 1-260-095-11 | CARBON 470 5%        | 1/2W    | R6991 £        | 1-202-719-00                 | SOLID 1M 1                            | .0% 1/2W          |
| 358     | 1-215-903-11 | METAL OXIDE 68K 5%   | 2W      |                |                              |                                       |                   |
|         | 1-535-143-61 | LEAD, JUMPER (5.0MM) | •••     |                |                              |                                       |                   |
|         | 1 916 910 11 | . , ,                | 1/10W   |                |                              |                                       |                   |

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.



| REF.NO.   | PART.NO  | DESCRIPTION   | REMARK                                    | REF.NO.   | PART.NO  | DESCRIPTION   | N   | REMARK  |
|---|--|---|---|---|--|---|---|---|
|   | < SWITCH   | >   |   |   | < SOCKET   | >   |   |   |
| 36991 £   | 1-571-433-21   | SWITCH, PUSH (AC POWER  | 2)  | J2900   | 1-750-264-11   | JACK  |   |   |
|   | < VARISTO  | OR >  |   |   | < RESISTO  | OR >  |   |   |
| /D6991 £  | 1-803-830-11   | VARISTOR (ERZV14D621)   |   | R912  | 1-535-303-00   | LEAD, JUMPER  | R (5.0MM)   |   |
|   |  |   |   | R0901   | 1-249-427-11   | CARBON  | 6.8K 5%   | 1/4W  |
| * <b>A-</b> 164   | 16-243-A H1  | Board, complete   |   | R0902   | 1-215-445-00   | METAL   | 10K 1%  | 1/4W  |
|   | 4-206-220-01   | HOLDER, LED   |   | R0911<br>R0913  | 1-249-419-11<br>1-247-843-11   | CARBON<br>CARBON  | 1.5K 5%<br>3.3K 5%  | 1/4W<br>1/4W  |
|   | < CAPACIT  | TOR >   |   | R0914   | 1-249-431-11   | CARBON  | 15K 5%  | 1/4W  |
|   |  |   |   | R2903   | 1-249-406-11   | CARBON  | 120 5%  | 1/4W  |
| 0992  | 1-104-665-11   | ELECT 100UF   | 20.00% 25V                                | R2904   | 1-249-406-11   | CARBON  | 120 5%  | 1/4W  |
| 0993  | 1-102-114-00   | CERAM C 470PF   | 10.00% 50V                                | R2909   | 1-247-895-91   | CARBON  | 470K 5%   | 1/4W  |
| 0994  | 1-102-129-00   | CERAMIC 0.01UF  | 10.00% 50V                                | R2910   | 1-247-895-91   | CARBON  | 470K 5%   | 1/4W  |
|   | < CONNECT  | TOR >   |   | R2915   | 1-249-406-11   | CARBON  | 120 5%  | 1/4W  |
|   |  |   |   | R2916   | 1-249-406-11   | CARBON  | 120 5%  | 1/4W  |
| N0991   | * 1-564-507-11   | PLUG, CONNECTOR 4P  |   | R2917   | 1-249-412-11   | CARBON  | 390 5%  | 1/4W  |
|   | DTODE  |   |   | R2918   | 1-249-412-11   | CARBON  | 390 5%  | 1/4W  |
|   | < DIODE >  | >   |   |   | < SWITCH   | >   |   |   |
| 0991  | 8-719-109-89   | DIODE RD5. 6ESB2  |   |   | · DVETOII  |   |   |   |
| 0993  | 8-719-082-12   | DIODE TLHK5190  |   | S0900   | 1-692-979-11   | SWITCH, TACT  | TILE  |   |
|   |  |   |   | C0001   | 1-692-979-11   | SWITCH, TACT  | TIF   |   |
|   |  |   |   | S0901   | 1-032-373-11   |   |   |   |
|   | < IC >   |   |   | S0902   | 1-692-979-11   |   |   |   |
| C0991   |  | HYB IC SBX3081-51(30)   |   | S0902   |  | SWITCH, TACT  | TILE  |   |
| C0991   |  | ` ,   |   | S0902   | 1-692-979-11   | SWITCH, TACI  | nplete  |   |
|   | 8-742-180-30   | OR >  | 6 1/4W                                    | S0902   | 1-692-979-11<br>00-626-A VM  | SWITCH, TACI<br>Board, con<br>SCREW (MSX8)  | nplete  |   |
| 20992   | 8-742-180-30<br>< RESISTO<br>1-247-807-31  | OR >  | 6 1/4W                                    | S0902   | 1-692-979-11<br><b>00-626-A VM</b><br>4-382-854-01   | SWITCH, TACI  | nplete  | 20. 00% 16V   |
| 0992  | 8-742-180-30 < RESIST( 1-247-807-31  17-043-A H2   | OR >  CARBON 100 59  Board, complete  | 6 1/4W                                    | \$0902<br>* <b>A-13</b> C7401  C7403  | 1-692-979-11  00-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11  1-126-935-11   | SWITCH, TACION SCREW (MSX8) TOR > ELECT ELECT   | TILE  nplete  , P, SW (+)  470UF 470UF  | 20.00% 16V  |
| 0992  | 8-742-180-30<br>< RESISTO<br>1-247-807-31  | OR >  CARBON 100 59  Board, complete  | 6 1/4W                                    | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404   | 1-692-979-11  00-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11  1-126-935-11  1-115-339-11   | SWITCH, TACI Board, con SCREW (M\$X8) TOR > ELECT ELECT CERAMC CHIR   | ### ATOUF 470UF CO.1UF  | 20.00% 16V<br>10.00% 50V  |
| 0992<br>* <b>A-16</b> 4   | 8-742-180-30  < RESIST( 1-247-807-31  17-043-A H2  < CAPACIT   | OR >  CARBON 100 5%  Board, complete  TOR >   |   | \$0902<br>* <b>A-13</b> C7401  C7403  C7404  C7405  | 1-692-979-11  00-626-A VM  4-382-854-01  < CAPACTT  1-126-935-11  1-126-935-11  1-115-339-11  1-126-933-11   | SWITCH, TACI Board, con  SCREW (MSX8)  TOR >  ELECT ELECT CERAMC CHIR ELECT   | ### ATOUF ### 470UF ### 470UF ### 100UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V   |
| 0992<br>• <b>A-164</b><br>2906  | 8-742-180-30  < RESISTO 1-247-807-31  47-043-A H2  < CAPACIT 1-126-960-11  | OR >  CARBON 100 5%  Board, complete  TOR >  ELECT 1UF  | 20. 00% 50V                               | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404   | 1-692-979-11  00-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11  1-126-935-11  1-115-339-11   | SWITCH, TACI Board, con SCREW (M\$X8) TOR > ELECT ELECT CERAMC CHIR   | ### ATOUF 470UF CO.1UF  | 20.00% 16V<br>10.00% 50V  |
| 0992<br>• <b>A-164</b><br>2906<br>2907  | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-960-11  | CARBON 100 5%  Board, complete  TOR >  ELECT 1UF ELECT 1UF  | 20. 00% 50V<br>20. 00% 50V                | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACIT  1-126-935-11  1-126-935-11  1-126-933-11  1-126-935-11   | SWITCH, TACH Board, con  SCREW (MSX8)  TOR >  ELECT ELECT CERAMC CHIR ELECT ELECT ELECT   | A70UF<br>470UF<br>470UF<br>470UF<br>100UF<br>470UF  | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V  |
| 0992  * <b>A-164</b> 2906 2907 2913   | 8-742-180-30  < RESISTO 1-247-807-31  17-043-A H2  < CAPACIT 1-126-960-11 1-126-960-11 1-162-964-11  | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407  | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-933-11 1-126-935-11 1-126-935-11 1-107-364-11  | SWITCH, TACI  Board, con  SCREW (MSX8)  TOR >  ELECT ELECT CERAMC CHIR ELECT  | ### ATOUF ####################################  | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V  |
| 0992<br>• <b>A-164</b><br>2906<br>2907<br>2913                                  | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-960-11  | CARBON 100 5%  Board, complete  TOR >  ELECT 1UF ELECT 1UF  | 20. 00% 50V<br>20. 00% 50V                | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACIT  1-126-935-11 1-126-935-11 1-126-933-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11   | SWITCH, TACI Board, con  SCREW (MSX8)  TOR >  ELECT ELECT CERAMC CHIH ELECT ELECT ELECT ELECT MILAR MILAR MILAR   | ### ATOUF ### O. OI UF ### O. OI UF ### O. OI UF ### O. OI UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 200V  |
| 0992  * A-164 2906 2907 2913  | 8-742-180-30  < RESISTO 1-247-807-31  17-043-A H2  < CAPACIT 1-126-960-11 1-126-960-11 1-162-964-11 1-162-964-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409  | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11  1-126-935-11  1-126-933-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11   | SWITCH, TACI Board, con SCREW (MSX8) TOR > ELECT ELECT CERAMC CHIH ELECT ELECT ELECT MYLAR MYLAR ELECT  | ### ATOUF ### O. OI UF ### O. OI UF ### O. OI UF ### O. OI UF ### 2. 2 UF   | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 200V<br>20.00% 250V   |
| 0992<br>• <b>A-164</b><br>2906<br>2907<br>2913                                  | 8-742-180-30  < RESISTO 1-247-807-31  17-043-A H2  < CAPACIT 1-126-960-11 1-126-960-11 1-162-964-11  | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTT  1-126-935-11  1-126-935-11  1-126-933-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11  1-130-471-00   | SWITCH, TACI Board, con  SCREW (MSX8)  TOR >  ELECT ELECT CERAMC CHIH ELECT ELECT ELECT ELECT MILAR MILAR MILAR   | ### ATOUF ### O. 01 UF ### O. 01 UF ### O. 01 UF ### O. 01 UF ### O. 001 UF   | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 200V<br>20.00% 250V<br>5.00% 50V  |
| 0992  * A-164 2906 2907 2913 2914   | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-162-964-11  1-162-964-11  < CONNECT  1-779-947-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S   | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11  1-126-935-11  1-126-933-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11   | SWITCH, TACI Board, con  SCREW (M\$X8)  FOR >  ELECT ELECT CERAMC CHIR ELECT ELECT ELECT MILAR MILAR ELECT MILAR MILAR ELECT MILAR  | ### ATOUF ### O. OI UF ### O. OI UF ### O. OI UF ### O. OI UF ### 2. 2 UF   | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 200V<br>20.00% 250V   |
| 2906<br>2907<br>2913<br>2914  | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-964-11  1-162-964-11  < CONNECT  1-779-947-11  * 1-564-524-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412                   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTT  1-126-935-11  1-126-935-11  1-126-933-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11  1-130-471-00   | SWITCH, TACH SWITCH, TACH BOARD, CON SCREW (MSX8) TOR > ELECT ELECT CERAMC CHIH ELECT ELECT MIAR MIAR MIAR ELECT MIAR MIAR ELECT MIAR MIAR ELECT MIAR ELECT ELECT   | ### ATOUF ### O. 01 UF ### O. 01 UF ### O. 01 UF ### O. 01 UF ### O. 001 UF   | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 200V<br>20.00% 250V<br>5.00% 50V<br>20.00% 16V  |
| 0992  * A-164 2906 2907 2913 2914   | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-162-964-11  1-162-964-11  < CONNECT  1-779-947-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413          | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11  | SWITCH, TACI  Board, con  SCREW (MSX8)  FOR >  ELECT ELECT CERAMC CHIH ELECT ELECT MILAR MILAR MILAR MILAR MILAR MILAR MILAR MILAR ELECT MILAR MILAR ELECT ELECT ELECT ELECT  | ### ATOUF  ### ATOUF  ### ATOUF  ### ATOUF  ### ATOUF  ### ATOUF  ### O. 01 UF  ### O. 01 UF  ### O. 001 UF  ### O. 001 UF  ### O. 001 UF  ### ATOUF  ### ATOUF  ### ATOUF  #### ATOUF  | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 200V<br>20.00% 250V<br>5.00% 50V<br>5.00% 50V<br>20.00% 16V<br>20.00% 16V   |
| 2906<br>2907<br>2913<br>2914<br>N2900<br>N2906                                  | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-964-11  1-162-964-11  < CONNECT  1-779-947-11  * 1-564-521-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414 | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-933-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-126-935-11 1-107-652-11                           | SWITCH, TACI Board, con  SCREW (M\$X8)  FOR >  ELECT ELECT CERAMC CHIH ELECT ELECT MILAR MILAR ELECT MYLAR MILAR ELECT MYLAR ELECT ELECT ELECT ELECT ELECT ELECT ELECT ELECT ELECT                                    | ### ATOUF #### ATOUF #################################### | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 200V<br>20. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V                |
| 0992  * A-164 2906 2907 2913 2914   | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-964-11  1-162-964-11  < CONNECT  1-779-947-11  * 1-564-524-11   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415            | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-107-652-11 1-107-363-91                           | SWITCH, TACI  Board, con  SCREW (M\$X8)  FOR >  ELECT ELECT CERAMC CHIR ELECT ELECT MILAR MILAR MILAR MILAR MILAR ELECT ELECT MILAR                       | ### ATOUF ### O. 01 UF ### 0. 01 UF ### 0. 001 UF ### 0. 001 UF ### 0. 001 UF ### 4TOUF ### 4TOUF ### 4TOUF ### 0. 0068UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V<br>10. 00% 200V                |
| 22906<br>22907<br>22913<br>22914<br>202900<br>202906<br>202908                  | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11 1-162-964-11 1-162-964-11 < CONNECT  1-779-947-11 * 1-564-524-11 * 1-564-521-11 < COIL >   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF  TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | \$0902<br>* A-13<br>C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414 | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-933-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-126-935-11 1-107-652-11                           | SWITCH, TACI Board, con  SCREW (M\$X8)  FOR >  ELECT ELECT CERAMC CHIH ELECT ELECT MILAR MILAR ELECT MYLAR MILAR ELECT MYLAR ELECT ELECT ELECT ELECT ELECT ELECT ELECT ELECT ELECT                                    | ### ATOUF ### O. 01 UF ### 0. 01 UF ### 0. 001 UF ### 0. 001 UF ### 0. 001 UF ### 4TOUF ### 4TOUF ### 4TOUF ### 0. 0068UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 200V<br>20. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V                                |
| 20992<br>* <b>A-164</b> 22906 22907 22913 22914 202906 202908                   | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11 1-162-964-11 1-162-964-11 < CONNECT  1-779-947-11 * 1-564-524-11 * 1-564-521-11 < COIL >  1-535-303-00   | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF  TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  LEAD, JUMPER (5.0M)   | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415<br>C7418   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACIT  1-126-935-11  1-126-935-11  1-126-935-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11  1-130-471-00  1-126-935-11  1-126-935-11  1-126-935-11  1-107-652-11  1-107-363-91  1-163-021-91 | SWITCH, TACI  Board, con  SCREW (MSX8)  FOR >  ELECT ELECT ELECT CERAMC CHIR ELECT ELECT MILAR MILAR MILAR MILAR MILAR MILAR MILAR MILAR MILAR ELECT ELECT ELECT ELECT ELECT ELECT ELECT CERAMC CHIR                  | 470UF 470UF 470UF 470UF 0.01UF 0.01UF 0.001UF 0.001UF 0.001UF 0.001UF 0.001UF   | 20.00% 16V<br>10.00% 50V<br>20.00% 16V<br>20.00% 16V<br>10.00% 200V<br>10.00% 250V<br>5.00% 50V<br>5.00% 50V<br>20.00% 16V<br>20.00% 16V<br>20.00% 250V<br>10.00% 200V<br>10.00% 50V              |
| 29906<br>2907<br>2913<br>2914<br>202906<br>202907<br>202914<br>202906<br>202908 | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11 1-162-964-11 1-162-964-11 < CONNECT  1-779-947-11 * 1-564-524-11 * 1-564-521-11 < COIL >  1-535-303-00 1-535-303-00  | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM)  | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415            | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-107-652-11 1-107-363-91                           | SWITCH, TACI  Board, con  SCREW (M\$X8)  FOR >  ELECT ELECT CERAMC CHIR ELECT ELECT MILAR MILAR MILAR MILAR MILAR ELECT ELECT MILAR                       | 470UF 470UF 470UF 470UF 0.01UF 0.01UF 0.001UF 0.001UF 0.001UF 0.001UF 0.001UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V<br>10. 00% 200V                |
| 2906<br>2907<br>2913<br>2914<br>N2900<br>N2908<br>N2908                         | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-964-11  1-162-964-11  < CONNECT  1-779-947-11  * 1-564-524-11  * COIL >  1-535-303-00  1-535-303-00  1-535-303-00  1-535-303-00  1-535-303-00       | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM)   | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415<br>C7418   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-107-652-11 1-107-363-91 1-163-021-91 1-163-251-11 | SWITCH, TACH SWITCH, TACH BOARD, CON SCREW (MSX8)  FOR >  ELECT ELECT CERAMC CHIH ELECT MILAR MILAR MILAR MILAR ELECT MILAR MILAR ELECT CERAMC CHIH CERAMC CHIH | 470UF 470UF 470UF 470UF 0.01UF 0.01UF 0.001UF 0.001UF 0.001UF 0.001UF 0.001UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V<br>10. 00% 200V<br>10. 00% 50V |
| 2906<br>2907<br>2913<br>2914<br>N2906<br>N2906<br>N2908                         | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11 1-162-964-11 1-162-964-11 < CONNECT  1-779-947-11 * 1-564-524-11 * 1-564-521-11 < COIL >  1-535-303-00 1-535-303-00 1-535-303-00 1-535-303-00 1-535-303-00 | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF  TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  LEAD, JUMPER (5.0MM) | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415<br>C7418   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACIT  1-126-935-11  1-126-935-11  1-126-935-11  1-126-935-11  1-107-364-11  1-107-364-11  1-107-649-11  1-130-471-00  1-126-935-11  1-126-935-11  1-126-935-11  1-107-652-11  1-107-363-91  1-163-021-91 | SWITCH, TACH SWITCH, TACH BOARD, CON SCREW (MSX8)  FOR >  ELECT ELECT CERAMC CHIH ELECT MILAR MILAR MILAR MILAR ELECT MILAR MILAR ELECT CERAMC CHIH CERAMC CHIH | 470UF 470UF 470UF 470UF 0.01UF 0.01UF 0.001UF 0.001UF 0.001UF 0.001UF 0.001UF   | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V<br>10. 00% 200V<br>10. 00% 50V |
| 2906<br>2907<br>2913<br>2914<br>N2900<br>N2908<br>N2908                         | 8-742-180-30  < RESISTO  1-247-807-31  17-043-A H2  < CAPACIT  1-126-960-11  1-126-964-11  1-162-964-11  < CONNECT  1-779-947-11  * 1-564-524-11  * COIL >  1-535-303-00  1-535-303-00  1-535-303-00  1-535-303-00  1-535-303-00       | CARBON 100 59  Board, complete  TOR >  ELECT 1UF ELECT 1UF CERAMC CHIP 0.001UF CERAMC CHIP 0.001UF TOR >  TERMINAL BLOCK, S PLUG, CONNECTOR 9P PLUG, CONNECTOR 6P  LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM)   | 20. 00% 50V<br>20. 00% 50V<br>10. 00% 50V | C7401<br>C7403<br>C7404<br>C7405<br>C7406<br>C7407<br>C7408<br>C7409<br>C7410<br>C7411<br>C7412<br>C7413<br>C7414<br>C7415<br>C7418   | 1-692-979-11  OO-626-A VM  4-382-854-01  < CAPACTI  1-126-935-11 1-126-935-11 1-126-935-11 1-126-935-11 1-107-364-11 1-107-364-11 1-107-649-11 1-130-471-00 1-130-471-00 1-126-935-11 1-126-935-11 1-107-652-11 1-107-363-91 1-163-021-91 1-163-251-11 | SWITCH, TACH SWITCH, TACH BOARD, CON SCREW (MSX8)  FOR >  ELECT ELECT CERAMC CHIH ELECT MILAR MILAR MILAR MILAR ELECT MILAR MILAR ELECT CERAMC CHIH CERAMC CHIH | ### ATOUF ####################################  | 20. 00% 16V<br>10. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>10. 00% 200V<br>10. 00% 250V<br>5. 00% 50V<br>5. 00% 50V<br>20. 00% 16V<br>20. 00% 16V<br>20. 00% 250V<br>10. 00% 200V<br>10. 00% 50V |



| REF.NO.      | PART.NO                      | DESCRIPTION              | REMARK             | REF.NO. | PART.NO      | DESCRIPTION |      |    | REMARK |
|--------------|------------------------------|--------------------------|--------------------|---------|--------------|-------------|------|----|--------|
| CN7444       | * 1-770-723-11               | CONNECTOR, BOARD TO      | BOARD 8P           | R7419   | 1-249-421-11 | CARBON      | 2.2K | 5% | 1/4W   |
|              |                              |                          |                    | R7420   | 1-249-421-11 | CARBON      | 2.2K |    | 1/4W   |
|              | < DIODE >                    |                          |                    | R7421   | 1-249-389-11 | CARBON      | 4.7  | 5% | 1/4W   |
|              | < DIODE >                    |                          |                    |         |              |             |      |    |        |
| 27.100       | 0 710 001 00                 | DIODE 400400E ee         |                    | R7422   | 1-249-405-11 | CARBON      | 100  | 5% | 1/4W   |
| D7400        | 8-719-991-33                 | DIODE 1SS133T-77         |                    | R7423   | 1-215-915-11 | METAL OXIDE | 470  | 5% | 3W     |
| D7401        | 8-719-991-33                 | DIODE 1SS133T-77         |                    |         |              |             |      |    |        |
| D7403        | 8-719-991-33                 | DIODE 1SS133T-77         |                    | R7427   | 1-216-025-11 | RES-CHIP    | 100  | 5% | 1/10W  |
| D7404        | 8-719-991-33                 | DIODE 1SS133T-77         |                    | R7428   | 1-216-033-00 | RES-CHIP    | 220  | 5% | 1/10W  |
| D7405        | 8-719-924-11                 | DIODE MIZJ-T-77-22       |                    | R7429   | 1-216-033-00 | RES-CHIP    | 220  | 5% | 1/10W  |
| D1 100       | 0 110 021 11                 | DIODE NEO I II WW        |                    | R7432   | 1-216-065-91 | RES-CHIP    | 4.7K |    | 1/10W  |
| D7406        | 0 710 094 11                 | DIODE M771 T 77 99       |                    |         |              |             |      |    |        |
| 07406        | 8-719-924-11                 | DIODE MIZJ-T-77-22       |                    | R7433   | 1-249-395-11 | CARBON      | 15   | 5% | 1/4W   |
|              | < FERRITE                    | BEAD >                   |                    | R7434   | 1-249-395-11 | CARBON      | 15   | 5% | 1/4W   |
|              |                              |                          |                    | R7435   | 1-216-033-00 | RES-CHIP    | 220  | 5% | 1/10W  |
| FB7400       |                              | LEAD, JUMPER (5.0MM)     |                    | R7436   | 1-216-049-11 | RES-CHIP    | 1K   | 5% | 1/10W  |
| B7401        | 1-535-303-00                 | LEAD, JUMPER (5.0MM)     |                    |         |              |             |      |    |        |
|              | < COIL >                     |                          |                    |         |              |             |      |    |        |
|              | · 001L >                     |                          |                    |         |              |             |      |    |        |
| L7400        | 1-414-934-21                 | INDUCTOR 10UH            |                    |         |              |             |      |    |        |
| L7402        | 1-414-934-21                 | INDUCTOR 10UH            |                    |         |              |             |      |    |        |
| L7403        | 1-414-934-21                 | INDUCTOR 10UH            |                    |         |              |             |      |    |        |
|              | < TRANSIS                    | TOR >                    |                    |         |              |             |      |    |        |
| 07400        | 0 700 040 00                 | TID LIVITOTION LANGUA DO | ITTA               |         |              |             |      |    |        |
| Q7400        | 8-729-010-29                 | TRANSISTOR MSD601-RS     |                    |         |              |             |      |    |        |
| Q7401        | 8-729-010-29                 | TRANSISTOR MSD601-RS     | 771                |         |              |             |      |    |        |
| Q7402        | 8-729-010-29                 | TRANSISTOR MSD601-RS     | T1                 |         |              |             |      |    |        |
| Q7403        | 8-729-119-78                 | TRANSISTOR 2SC2785-H     | <b>F</b> E         |         |              |             |      |    |        |
| Q7404        | 8-729-026-49                 | TRANSISTOR 2SA1037AF     |                    |         |              |             |      |    |        |
| Ø1 10 1      | 0 120 020 10                 | TREEDISTOR ASTROOTIE     | 1110 W             |         |              |             |      |    |        |
| Q7405        | 8-729-026-39                 | TRANSISTOR 2SA933AS-     | OT                 |         |              |             |      |    |        |
| Q7406        | 8-729-045-05                 | TRANSISTOR 2SA2005       | 41                 |         |              |             |      |    |        |
| •            |                              |                          |                    |         |              |             |      |    |        |
| Q7407        | 8-729-045-04                 | TRANSISTOR 2SC5511       | 7 TT4 40 TO        |         |              |             |      |    |        |
| Q7408        | 8-729-026-49                 |                          |                    |         |              |             |      |    |        |
| 27409        | 8-729-010-29                 | TRANSISTOR MSD601-RS     | T1                 |         |              |             |      |    |        |
|              | < RESISTO                    | NR >                     |                    |         |              |             |      |    |        |
| 27400        | 1-216-017-91                 | RES-CHIP 47              | 5% 1/10W           |         |              |             |      |    |        |
|              |                              |                          |                    |         |              |             |      |    |        |
| R7401        | 1-216-061-91                 |                          | 5% 1/10W           |         |              |             |      |    |        |
| 27402        | 1-216-041-00                 |                          | 5% 1/10W           |         |              |             |      |    |        |
| 27403        | 1-249-393-11                 |                          | 5% 1/4W            |         |              |             |      |    |        |
| 27404        | 1-249-413-11                 | CARBON 470               | 5% 1/4W            |         |              |             |      |    |        |
| 27/05        | 1 916 065 01                 | RES-CHIP 4.7K            | 5% 1/10W           |         |              |             |      |    |        |
| 27405        | 1-216-065-91                 |                          |                    |         |              |             |      |    |        |
| R7407        | 1-249-411-11                 |                          | 5% 1/4W            |         |              |             |      |    |        |
| R7409        | 1-216-029-00                 |                          | 5% 1/10W           |         |              |             |      |    |        |
| R7410        | 1-216-017-91                 | RES-CHIP 47              | 5% 1/10W           |         |              |             |      |    |        |
| 27411        | 1-216-017-91                 | RES-CHIP 47              | 5% 1/10W           |         |              |             |      |    |        |
| D7410        | 1 010 017 01                 | DEC CHED 49              | F0/ 1 /10III       |         |              |             |      |    |        |
| 27412        | 1-216-017-91                 |                          | 5% 1/10W           |         |              |             |      |    |        |
| 27413        | 1-249-414-11                 |                          | 5% 1/4W            |         |              |             |      |    |        |
| 7414         | 1-249-432-11                 | CARBON 18K               | 5% 1/4W            |         |              |             |      |    |        |
| 27415        | 1-247-739-11                 |                          | 5% 1/2W            |         |              |             |      |    |        |
| 27416        | 1-249-389-11                 |                          | 5% 1/4W            |         |              |             |      |    |        |
|              |                              |                          |                    |         |              |             |      |    |        |
|              | 1 040 400 44                 | CADDOM 101/              | FO/ 1 / AVV        | 1       |              |             |      |    |        |
| 7417<br>7418 | 1-249-432-11<br>1-249-414-11 |                          | 5% 1/4W<br>5% 1/4W |         |              |             |      |    |        |

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO. PART.NO DESCRIPTION REMARK REF.NO. PART.NO DESCRIPTION REMARK

### MISCELLANEOUS

| £ | 1-571-433-21 | SWITCH, PUSH (AC POWER)                  |
|---|--------------|--|
| £ | 1-783-083-11 | CORD, POWER (WITH FILTER)                |
|   |              | (KV-32FX68B/32FX68E/32FX68K)             |
| £ | 1-776-860-11 | POWER CORD, FILTER (UK) (KV-32FX68U)     |
|   | 1-424-855-11 | COIL, CHOKE 29MM                         |
|   | 8-598-535-20 | FRONTEND BTF-EF411 (KV-32FX68B)          |
|   |              |  |
|   | 8-598-533-10 | FRONTEND BTF-EC411 (KV-32FX68E/32FX68K)  |
|   | 8-598-529-10 | FRONTEND BTF-EU611 (KV-32FX68U)          |
| £ | 1-453-340-41 | TRANSFORMER ASSY FLYBACK (NX-4522//Z2B4) |
|   | 1-529-408-11 | SPEAKER (4.2 X 24CM)                     |
|   | 1-529-417-11 | SPEAKER (8CM)                            |
|   |              |  |
| £ | 1-451-520-31 | DEFLECTION YOKE (Y32RVC3)                |
|   | 1-419-363-11 | COIL, NA ROTATION                        |
|   | 8-453-011-11 | NECK ASSY NA299-M                        |
| £ | 1-424-888-11 | COIL, DEGAUSSING                         |
| £ | 1-251-374-33 | CAP ASSY, HIGH VOLTAGE                   |
| £ | 8-735-079-05 | PICTURE TUBE (W76LLZ060X)                |
|   | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MMØ            |
|   |              |  |
|   | 1-425-032-00 | MAGNET, DISK; 10MMØ                      |
|   |              |  |

#### ACCESSORIES AND PACKAGING MATERIALS

| *4-046-772-01<br>*4-205-513-02<br>*4-205-514-01<br>*4-205-512-01 | COLLOIT (CITALY (1201)                     |
|--|--|
| 4-094-189-21   | MANUAL, INSTRUCTION (KV-32FX68B)           |
|  | (GERMAN/ITALIAN/FRENCH/DUTCH)              |
| 4-094-189-61   | MANUAL, INSTRUCTION (KV-32FX68B) (ENGLISH) |
| 4-094-189-31   | MANUAL, INSTRUCTION (KV-32FX68E)           |
|  | (GERMAN/TURKISH/GREEK)                     |
| 4-094-189-71   | MANUAL, INSTRUCTION (KV-32FX68E) (ITALIAN) |
| 4-094-189-41   | MANUAL, INSTRUCTION (KV-32FX68E)           |
|  | (NORWEGIAN/PORTUGUESE/SWEDISH/FINNISH/     |
|  | DANISH/SPANISH)                            |
|  |  |
| 4-094-189-51   | MANUAL, INSTRUCTION (KV-32FX68K)           |
|  | (BULGARIAN/CZECH/ENGLISH/HUNGARIAN/        |
|  | RUSSIAN/POLISH)                            |

 $4\text{-}094\text{-}189\text{-}11 \quad \text{MANUAL}, \quad \text{INSTRUCTION} \quad \text{(KV-}32\text{FX}68\text{U}) \quad \text{(ENGLISH)}$ 

#### REMOTE COMMANDER

1-476-702-12 REMOTE COMMANDER (RM 932)

### TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's  $I^2C$  bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

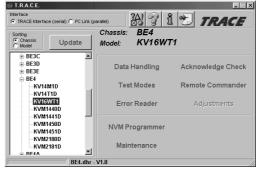
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I<sup>2</sup>C bus
- Acknowledge check of all I<sup>2</sup>C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- · Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing 1<sup>2</sup>C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70

TRACE Software (for users of the I<sup>2</sup>C Link interface): 9-948-340-80 TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT\*.

<sup>\*</sup> WindowsNT only supported with TRACE interface